

square miles against 234) and detailed survey (609 square miles against 363) were effected during the year under report, yet these could not counterbalance the large amount of triangulation done in the previous year. The latter is owing to payments of wages to fire coolies in Kánara not having been made within the year.

192. The increase under 'IX' is owing to enhanced rates paid for materials for forest uniforms and payment of grain compensation to forest subordinates.

193. The decrease under '(B) Establishments' rests mainly on two facts—(1) that the places of two senior Deputy Conservators were held by Extra Assistants during the second half of the year and (2) the rates of exchange compensation allowance were lower than those at which payments were made in the year before.

## CHAPTER V.

### FOREST ADMINISTRATION.

194. There was no change in the lines of the Forest Administration of the Circle during the year.

195. The saw-mill machinery indented for from England as per Government Resolution No. 2534, dated 20th March 1896, was received in March 1897, although it was expected in December 1896. It was set up at Ittanbail about five miles from Yellápur. As a great many adjustments and alterations had to be made in the machinery, it could not be got into working order before the 9th April 1897. Ever since that date sleepers are being cut up by it in the most satisfactory manner.

#### ESTABLISHMENTS AND THEIR RECRUITMENT.

196. The controlling staff of the Circle at commencement and end of the year stood as follows:—

		IMPERIAL.						PROVINCIAL.				
		Conser- vators.	Deputy Conservators.				Assistant Conservators.		Extra Assistant Conservators.			
			•									
			2nd Grade Rs. 1,350.	1st Grade Rs. 900.	2nd Grade Rs. 800.	3rd Grade Rs. 650.	4th Grade Rs. 550.	1st Grade Rs. 450.	2nd Grade Rs. 350.	1st Grade Rs. 350.	2nd Grade Rs. 300.	3rd Grade Rs. 250.
On 1st July 1896	...	1	1	2	3	2	1	2	1	2	2	...
On 30th June 1897	...	...	1	1	1	2	3	...	1	2	1	1

197. To the permanent subordinate executive and protective staff was added during the year an establishment consisting of

- 1 Ranger on Rs. 50,
- 2 Foresters at Rs. 20 each,
- 6 Guards „ 10 „
- 6 Guards „ 8 „

at an annual cost of Rs. 2,376, thus making the total cost of the establishment in the Circle to amount to Rs. 1,27,128. The new establishment sanctioned was for the Gund Working Circle of the Northern Division, Kánara.

198. There has been no change in the office staff of the Circle.

199. One student with a Ranger's certificate from the College of Science, Poona, was appointed a probationer on an initial salary of Rs. 20.

200. The following officers held charge of the Circle and its divisions during the year :—

Division.	Name of Officer.	Rank.	Period.	
			From	To
Direction ...	J. L. L. MacGregor.	Conservator of Forests, 2nd Grade.	1st July 1896 ...	1st March 1897.
	T. B. Fry ...	Deputy Conservator, 1st Grade...	6th March 1897 ...	11th June 1897.
	W. G. Betham ...	Do. do. ...	12th June 1897 ...	30th June 1897.
Northern Division, Kánara.	E. G. Oliver ...	Do. 4th Grade...	1st July 1896 ...	Do.
Southern Division, Kánara (old Central Division).	B. J. Haselden ...	Assistant Conservator, 1st Grade.	Do. ...	Do.
Western Division, Kánara (old Southern Division).	W. A. Talbot ...	Deputy Conservator, 3rd Grade.	Do. ...	29th July 1896.
	W. R. Woodrow ...	Do. do. ...	30th July 1896 ...	23rd December 1896.
	T. R. D. Bell ...	Do. 4th Grade...	24th December 1896.	30th June 1897.
Belgaum ...	H. Murray ...	Do. 3rd Grade...	1st July 1896 ...	7th April 1897.
	W. A. Talbot ...	Do. 2nd Grade...	8th April 1897 ...	30th June 1897.
Dhárwár ...	W. R. Woodrow ...	Do. 3rd Grade...	1st July 1896 ...	29th July 1896.
	G. K. Betham ...	Do. 2nd Grade.	30th July 1896 ...	20th December 1896.
	W. R. Woodrow ...	Do. 3rd Grade...	21st December 1896.	30th June 1897.
Bijápur ...	H. Mainwaring ...	Do. 2nd Grade...	1st July 1896 ...	3rd January 1897.
	V. R. Kelkar ...	District Deputy Collector	4th January 1897...	13th January 1897.
	V. D. P. Rebeiro ...	Extra Assistant, 3rd Grade	14th January 1897.	30th June 1897.
Kolába ...	W. G. Betham ...	Deputy Conservator, 1st Grade...	1st July 1896 ...	20th November 1896.
	A. C. Robinson ...	Extra Assistant Conservator, 2nd Grade.	21st November 1896.	30th June 1897.
Ratnágiri ...	Collector in charge	.....	1st July 1896 ...	Do.
Working-Plans ...	W. E. Copleston ...	Assistant Conservator, 2nd Grade.	Do. ...	31st July 1896.
	W. A. Talbot ...	Deputy Conservator, 3rd Grade	1st August 1896 ...	2nd April 1897.
	W. E. Copleston ...	Assistant Conservator, 1st Grade.	3rd April 1897 ...	30th June 1897.

201. Mr. D. A. Thomson, Assistant Conservator, remained as an Assistant to the Divisional Forest Officer, Northern Division, Kánara, throughout the year.

202. Mr. W. E. Copleston, Assistant Conservator, on being relieved of the charge of the Working Plans Division, remained as an Assistant to the same Divisional Officer from 1st August to 3rd November 1896, when he was appointed as Assistant to the Divisional Forest Officer, Southern Division, Kánara. He remained as such until 3rd April following, when he again took charge of the Working-Plans Division.

203. Of the Extra Assistant Conservators, Messrs. H. Mitra, and N. D. Sátaráwála continued as Assistants to the Working-Plans Divisional Officer, having been attached to Parties I and II, respectively. Mr. Sheshu Manju was in charge of the Supa Range of the Northern Division, Kánara, till the end of November 1896. On December 1st, he proceeded on furlough and finally retired on 20th April 1897. Mr. G. J. Rege who was appointed to act in his place held charge of the Khánápur Range in Belgaum until March 1897, when he assumed charge of the post of Personal Assistant to the Conservator. Mr. A. C. Robinson continued as Sub-divisional Officer, Kolába, until 20th November 1896, when he was appointed to the charge of the Division, on Mr. W. G. Betham's proceeding to the Central Circle to hold administrative charge. Mr. V. D. P. Rebeiro, who was transferred from the Northern to this Circle, joined his appointment as Divisional Forest Officer, Bijápur, on 14th January 1897. Mr. D. M. Bijur who was Personal Assistant to the Conservator, was transferred to the Northern Circle in December.

204. The following officers have been on leave during the year :—

Mr. A. C. Robinson, Extra Assistant Conservator, on three months' privilege leave from 10th July 1896, during which period Mr. G. J. Rege acted as Extra Assistant, but remained in charge of the Khánápur Range.

Mr. H. Murray, Deputy Conservator, on 18 months' furlough from 8th April 1897.

205. The following officers retired from the service during the year :—

Mr. H. Mainwaring, Deputy Conservator, 2nd Grade, on 1st January 1897.

Mr. Sheshu Manju, Extra Assistant Conservator, 3rd Grade, on 20th April 1897.

## TOUR OF THE CONSERVATOR.

206. Mr. MacGregor's first move was to Nágargáli on the 11th November 1896, from where he marched to Bijápur, reaching it on the 19th. Here the Collector, the Commissioner and the Divisional Forest Officer were met. The departmental collection of Cassia bark and the preparation of boundary-stones were sanctioned for providing work for the people affected by the prevailing scarcity.

207. Leaving Bijápur on the 7th December, Mr. MacGregor encamped at Bágalkot and Bádámi. From Bádámi he proceeded direct to Nágargáli and from there to Haliyál on 19th, where he inspected the Divisional Office and the large timber depôt.

208. Turning north, for the Christmas holidays, to Belgaum, he left it on the 15th of January 1897 for Dhárwár, where the Divisional Office was examined. Thence he moved with the Divisional Officer to Bandur on the 21st, where Mr. H. Mitra, Extra Assistant Conservator in charge Working-Plans Party I was met.

209. From Bandur, marching down through Kalghatgi and Tadas, he went into Kánara. Reaching Yellápur on the 11th February, he examined there the Divisional Forest Office, Southern Division, Kánara.

210. He then proceeded *viá* Lálguli, Bomanhulli and Kulgi to Potoli in the Northern Division, Kanára. Here, on the 28th of February, he met his death under circumstances which have been already reported to Government.

211. Mr. Murray, Divisional Forest Officer, Belgaum, who on hearing of the sad accident had come to Mr. MacGregor's camp to be of assistance to him, took charge of the current duties of the office and held it until Mr. T. B. Fry, Deputy Conservator, assumed charge on the 6th March at Belgaum.

212. On the 26th Mr. Fry left Belgaum and marching *viá* Haliyál and Supa arrived at Kárwár on the 13th April. Here the Divisional Office, Western Division, Kánara, was examined.

213. From Kárwár, camping at Hattikeri, Agsur, Sunksál and Arbail he reached Yellápur on the 26th. On May 1st he arrived at Dhárwár and returned on the 11th to Belgaum for the monsoon. I received charge of the office from Mr. Fry on the 11th June 1897, after office hours.

## GENERAL REMARKS.

214. The year has been on the whole the most unhappy one on record. Firstly the plague set in. This caused strict quarantine regulations everywhere and greatly hampered trade. Secondly there was the famine, the immediate result of which was high prices for food-grains resulting in a tightness of money that prevented the people from taking any interest in the timber-and bamboo-trade. It affected the sales at one and all the depôts of Kánara. To add to the above, cholera and fever were prevalent very severely hand in hand during a portion of the year in Kánara. The former visited even certain parts of the Collectorate where it had been unknown before. Want of water in the jungles through scanty rain-fall, and the two deadly diseases mentioned above prevented the Kánara contractors generally from carrying out their works properly, some failing entirely and some only partially.

215. As if the three above agencies were not enough to contend with, gangs of dacoits haunted the forests above ghát in Kánara.

216. One of these gangs attacked and robbed the cartmen and the Forest Guards who were taking from Hubli to Ittanbail, near Yellápur, the saw-mill-machinery, referred to in para. 195 above. Another broke into and robbed the forest-watch-houses at Komersikop and Sanwalli on the frontier of the Southern Division, Kanara, and a third looted the kit of the Assistant Conservator (Mr. D. A. Thomson) near Birchi in the Northern Division, Kánara.

217. Thus Kánara, besides sharing in the consequences of the plague and the famine with its sister Collectirates, Belgaum, Dhárwár and Bijápur, had to

contend against its own adversities, viz., disease and dacoities, and to crown all, the year was also marked by the sudden and sad death of the Conservator Mr. J. L. L. MacGregor, who was killed by a tiger in the Kánara forests. He was wounded by the animal on the 28th of February and succumbed to his injuries next day. He had held charge of the Circle for 10 years and during that time won a lasting respect from those who had the honour of serving under him, in whose minds the memory of his gentleness, courtesy and devotion to duty will ever remain fresh.

218. As a result of famine, a great deal of extra work was thrown upon the staffs in the Northern and Southern Divisions of Kánara, Dhárwár, Belgaum, and Bijápur by the special grass operations which they had to perform in addition to their own duties.

219. Due measures against the recurrence of illegal *Kumri* cultivation in Supa of the Northern Division, Kánara, were taken and fortunately there was no outbreak of it in the year. Under recent Government orders, the privilege of *Kumri* cultivation, which has long proved to be baneful to the forests, has been strictly confined to the original grantees. In this way, it is hoped that it will die out in the course of a few years and become a matter of ancient history.

220. The *soppu* depôt system (to provide garden proprietors with green leaves for manure on payment of fees) was, as already reported in para. 46 above, tried in certain selected parts of the Southern Division, Kánara, but with little success. A full trial of the system, however, has yet to be awaited and its success or otherwise will not be fully known until it has been fully introduced, correlatively with the settlement of *betta* assignments now in progress, in all such parts of Kánara as may be necessary.

221. The conduct of the subordinate establishment does not appear to have been as satisfactory as in the previous year. There were 37 dismissals amongst guards against 17.

222. The health of the establishment was, on the whole, very bad. One ranger, one forester, one clerk and 21 guards died, most of them of cholera and a few of fever.

223. The following officers are reported by Divisional Officers to have deserved special mention :—

*On the Protective Staff.*

Mr. G. L. Ugrankar	...	Range Forest Officer of Haliyál.
„ Mangalore Krishnaráo...	Do.	Supa.
„ Mangesh Nágappa	...	Do. Yellápur.
„ Keshav Kásináth Deshpánde	...	Do. Khánápur.
„ Hassan valad Mohidin	...	Do. Belgaum.
„ Shankar Bápu Sáwant	...	Do. Sangameshvar.
„ Mangesh Rangáppa	...	Do. Siddápur.

224. The Working-Plans Officer speaks very highly of Mr. N. D. Sátaráwála's untiring energy and gives special praise to Messrs. H. A. Nádkarni, D. D. Anantbhat, S. B. Bendigeri and K. E. Kotwál, while in the other working-plans party under Mr. Mitra, Messrs. G. C. Sirurkar and R. A. Hemmadi are reported to have done excellent work.

225. In the office establishment the clerks specially mentioned are, Messrs. P. M. Murdeshwarkar; J. P. Souza; S. D. Salvi; F. X. Saldanha; V. S. Gáitonde; S. J. Loker; A. R. Trasi; S. H. Bhide and V. M. Varte; and no doubt Mr. MacGregor would have had a word of praise for many, if not all, of the clerks in his office.

W. G. BETHAM,

Acting Conservator of Forests,

Southern Circle.

*Camp Bágalkot, Bijápur  
Districts, 7th December 1897.*

LIST OF STATEMENTS ACCOMPANYING THE FOREST ADMINISTRATION REPORT  
OF THE CONSERVATOR OF FORESTS, SOUTHERN CIRCLE, FOR 1896-97.

Form No. 46	...	Area of Reserved Forests, 1896-97.
" " 46A	...	Area of Protected Forests, 1896-97.
" " 47	...	Progress made in and Expenditure incurred on Forest Settlements.
" " 48	...	Demarcation and Maintenance of Boundaries.
" " 49	...	Forest Area surveyed and under survey.
" " 50	...	Progress made in Working Plans.
" " 51	...	Communications and Buildings.
" " 52	...	Prosecutions for Breaches of Forest Rules during 1896-97.
" " 52A	...	Statement showing the number of Cases of Misappropriation of Minor Produce of the several divisions of the Southern Circle for the year 1896-97.
" " 52B	...	Statement showing the Cases dealt with under Section 67 of the Indian Forest Act.
" " 52C	...	Statement showing the number of Cases in which fines amounting to Re. 1, Rs. 2, and so on, up to the maximum, were inflicted during 1896-97.
" " 53	...	Area of Forest Tracts protected from Fire during 1896-97.
" " 54	...	Area open and closed to grazing during 1896-97.
" " 55	...	Return of Grazing in the State Forests during 1896-97.
" " 56	...	Area of Plantations, 1896-97.
" " 57	...	Outturn of Timber and Fuel, 1896-97.
" " 57A	...	Statement showing the Consolidated Outturn of Timber, Fuel and Minor Produce during 1896-97.
" " 58	...	Outturn of Minor Forest Produce, 1896-97.
" " 59	...	Account of Timber and other Produce, cut or collected by Government Agency and brought to Sale Depôts or sold locally during the year 1896-97.
" " 60	...	Abstract showing the Value of Timber and other Produce at Sale Depôts for the year 1896-97.
" " 60A	...	Abstract showing the value of Live and Dead Stock for the year 1896-97.
" " 61	...	Summary of Revenue and Expenditure of the different Divisions during the year 1896-97.
" " 62	...	Account Current for the year 1896-97.
" " 63	...	Revenue received and Outstandings on account of Revenue during 1896-97.
" " 64	...	Outstandings and Liabilities on account of Contractors and Disbursers for 1896-97.
" " 65	...	Financial Results for the year 1896-97.

W. G. BETHAM,

Deputy Conservator of Forests, Southern Circle.

*Belgaum, 11th October 1897.*

FOREST DEPARTMENT, BOMBAY—SOUTHERN CIRCLE.

Area of Reserved Forests, 1896-97.

Division.	Range.	Civil District or Territory.	Name of Forest.	AREA ON 1ST JULY 1896.		ADDED DURING THE YEAR.	EXCLUDED OR TRANSFERRED TO OTHER HEADS.	AREA ON 30TH JUNE 1897.		Number and Date of Notification of Addition or Transfer.	REMARKS.
				Acres.	Equivalent in Square Miles.			Acres.	Equivalent in Square Miles.		
1	2	3	4	5	6	7	8	9	10	11	12
Northern Division, Kánara.	Haliyál and Supa ...	Kánara ...	Haliyál and Supa ...	*161,179	252	425,325	...	586,504	916	No. 7258 of 14th September 1896...	* The difference between these figures and those shown at close of the last year is due to the territorial changes sanctioned in Government Resolution No. 10330 of 7th December 1896.
Southern Division, Kánara.	Yellápur, Mundgod, Sirsi and Siddápur.	Do. ...	Yellápur, Mundgod, Sirsi and Siddápur.	*325,636	509	871	...	326,507	510	No. 415 of 15th January 1896, and Nos. 4412 and 4413 of 11th June, 1897.	
Western Division, Kánara.	Kárwar, Ankola, Kumta, Honáwar and Bhatkal.	Do. ...	Kárwar, Ankola, Kumta, Honáwar and Bhatkal.	*322,491	504	...	35	322,456	504	No. 8052 of 13th October 1896, and No. 4410 of 11th June 1897.	
Belgaum Division.	Khánápur, Gokák, Belgaum, Sampgaon and Chikodi.	Belgaum ...	Khánápur, Gokák, Belgaum, Sampgaon, Chikodi and Athni.	425,779	665	†402	‡	426,090	666	†5275 of 6th July 1896; 1619 of 27th February 1897; 4203 of 4th June 1897.	†5858 of 27th July 1896; 6251 of 10th August 1896; 8635 of 3rd November 1896.
Dhárwar Division.	Dhárwar, Kalghatgi, Hángal, Kod, Bankápur, Gadag, and Ránebennur.	Dhárwar ...	Dhárwar, Kalghatgi, Hángal, Bankápur, Kod, Gadag, Ron, Nargund, Hubli and Ránebennur.	233,504	365	148	‡2,276	232,376	363	§1193A of 12th February 1897; 1442 of 22nd February 1897; 2901 of 12th April 1897; 4298 of 8th June 1897.	415 of 15th January 1896; 3738 of 18th May 1897; and Government Resolution No. 2900 of 12th April 1897.
Bijápur Division.	Bádámi and Bágalkot.	Bijápur ...	Bádámi, Hungund, Bágalkot, Bijápur, Bagevadi and Indi.	99,256	155	†74,440	†949	172,747	270	†2890B, 2890E and 2890G, 12th April 1897; Government Resolution No. 2900 of 12th April 1897; and ratification of areas in Revision Survey.	†3883, 3883A and 3883B of 22nd May 1897.
Kolába Division.	Alibág, Pen, Panvel, Rohé, Máhád, Mángaon, Karjat, Khálápur and Nágothna.	Kolába ...	Alibág, Pen, Panvel, Rohé, Máhád, Mángaon, Karjat, Khálápur and Nágothna.	280,975	439	(a)6,481	(b)1	287,455	449	(a)5859 of 27th July 1896; 10516 of 22nd December 1896; 777 of 29th January 1897; 779, 779A, 779B and 779 C of 29th January 1897.	(b) 7217 of 12th September 1896; 10190 of 12th December 1896.
Ratnágiri Division.	Khed, Sangameshvar and Málvan.	Ratnágiri ...	Dápoli, Khed, Sangameshvar, Rájápur, Chip-lun, Ratnágiri, Devgad and Málvan.	14,173	22	(c)7	(d)4	14,176	22	(c) 4487A of 14th June 1897.	(d) 718 of 28th January 1897.
Total ...				1,862,993	2,911	508,674	3,356	2,368,311	3,700		

Belgaum, 11th October 1897.

W. G. BETHAM,  
Deputy Conservator of Forests, Southern Circle.



## FORM No. 46A.

FOREST DEPARTMENT, BOMBAY—SOUTHERN CIRCLE.

Area of Protected Forests, 1896-97.

Division.	Range.	Civil District or Territory.	Name of Forest.	AREA ON 1ST JULY 1896.		ADDED DURING THE YEAR.	EXCLUDED OR TRANSFERRED TO OTHER HEADS.	AREA ON 30TH JUNE 1897.		Number and Date of Notification of Addition or Transfer.	REMARKS.
				Acres.	Equivalent in Square miles.			Acres.	Equivalent in Square Miles.		
1	2	3	4	5	6	7	8	9	10	11	12
Northern Division, Kánara.	Supa ... ..	Kánara ...	Supa ... ..	425,325	665	...	*425,325	...	...	*. Converted into 'Reserved', vide Government Notification No. 7258 of 14th September 1896.	
Southern Division, Kánara.	Sirsi, Yellápur, Siddápur and Mundgod.	Do. ...	Sirsi, Yellápur, Siddápur and Mundgod.	*629,337	983	...	...	629,337	983	.....	* The difference between these figures and those shewn at close of the last year is due to territorial changes sanctioned in Government Resolution No. 10330 of 17th December 1896.
Western Division, Kánara.	Kumta, Ankola, Honávar and Bhatkal.	Do. ...	Ankola, Kumta, Honávar and Bhatkal.	*371,179	580	...	12	371,167	580	No. 4411 of 11th June 1897.	
Belgaum Division.	Belgaum, Chikodi, Gokák and Parasgad.	Belgaum ...	Belgaum, Chikodi, Gokák, and Parasgad.	7,097	11	...	...	7,097	11	.....	
Bijápur Division.	Bádámi and Bágalkot.	Bijápur ...	Bágalkot, Hungund, Bijápur, Bagevadi and Indi.	57,369	90	...	*57,369	...	...	2890 K, 2890 L, and 2890 M of 12th April 1897.	†Of this, 353 acres 13 gunthás were disforested and the remaining area was converted into 'Reserved.'
Kolába Division.	Alibág, Karjat, Khálápur and Mángaon.	Kolába ...	Alibág, Karjat, Khálápur and Mángaon.	3,782	6	...	(a) 1,369	2,413	4	.....	(a) Converted into 'Reserved.'
			Total ...	1,494,089	2,335	...	484,075	1,010,014	1,578		

Belgaum, 11th October 1897.

W. G. BETHAM,  
Deputy Conservator of Forests, Southern Circle.

## FOREST DEPARTMENT,

Statement showing the Progress made in, and the Expendi-

Name of Forest Division.	Name of Civil District or Territory.	Area already settled at commencement of the year.	AREAS FINALLY SETTLED DURING THE YEAR.				
			Number and Date of Government Order according final sanction to the Settlement.	Name of Forest settled.	Area, in square miles.	Expenditure incurred during the year on areas finally settled	
						In Forest Accounts.	In other Accounts.
1	2	3	4	5	6	7	8
<i>Reserved.</i>		Sq. Ms.				Rs.	Rs.
Northern Division, Kánara ...	Kánara ...	252	No. 7258 of 14th September 1896.	Supa ...	665	...	...
Southern Division, Kánara ...	Do. ...	*509	.....	.....	...	...	...
Western Division, Kánara ...	Do. ...	*504	.....	.....	...	...	...
Belgaum Division ...	Belgaum ...	665	No. 1619 of 4th March 1897 and No. 5275 of 6th June 1897.	Gokák ...	1	...	...
Dhárwár Division ...	Dhárwár ...	365	.....	.....	...	5,603	...
Bijápur Division ...	Bijápur ...	155	Nos. 2890 B, 2890 E and 2890 G of 15th April 1897.	Badámi, Hungund, Bágalkot, &c.	114	...	...
Kolába Division... ..	Kolába ...	439	No. 10516 of 22nd December 1896, and Nos. 779, 779 A, 779 B, and 779 C of 29th January 1897.	Karjat and Khalápur.	9	...	...
Ratnágiri Division ...	Ratnágiri ...	22	.....	.....	...	...	...
Total ...		2,911	.....	.....	789	5,603	...
<i>Protected.</i>							
Southern Division, Kánara ...	Kánara ...	(a) 259	.....	.....	...	...	...
Western Division, Kánara ...	Do. ...	(a) 201	.....	.....	...	...	...
Bijápur Division ...	Bijápur ...	...	.....	.....	...	...	...
Kolába Division... ..	Kolába ...	...	.....	.....	...	...	...
Total ...		460	.....	.....	...	...	...
Grand Total ...		3,371	.....	.....	789	5,603	...

Belgaum, 11th October 1897.



No. 47.

BOMBAY—SOUTHERN CIRCLE.

ture incurred on Forest Settlements during 1896-97.

Entire Cost per square mile of areas finally settled during the year.	AREAS UNDERGOING SETTLEMENT.						REMARKS.
	At commencement of the year.		Taken in hand during the year.		Expenditure incurred during the year on areas undergoing Settlement.		
	Name of Tract.	Area in Square Miles.	Name of Tract.	Area, in Square Miles.	In Forest Accounts.	In other Accounts.	
9	10	11	12	13	14	15	16
...	.....	...	.....	...	...	...	* The difference between these and the last year's figures is due to the territorial changes sanctioned in Government Resolution No. 10330 of 17th December 1896.
...	Sirsi ... ..	443	.....	...	...	...	
...	.....	...	.....	...	...	...	
...	Belgaum, Parasgad, &c.	3	21 villages of Belgaum ...	2	...	...	
...	.....	...	.....	...	...	...	
...	.....	...	.....	...	...	...	
...	.....	...	.....	...	...	...	
...	.....	...	.....	...	...	...	
...	.....	446	.....	2	...	...	(a)-The difference between these and the last year's figures is owing to omission in the statements for previous years, now supplied, and to the territorial changes sanctioned in Government Resolution No. 10330 of 17th December, 1896.  The area entered in column 3 of the statement for 1895-96, was converted into 'Reserved' during 1896-97.
...	Siddápur ... ..	230	.....	...	5,738	12,062	
...	Honávar and Bhát-kal.	298	.....	...			
...	.....	...	.....	...			
...	.....	...	.....	...			
...	.....	528	.....	...	5,738	12,062	
...	.....	974	.....	2	5,738	12,062	

W. G. BETHAM,  
Deputy Conservator of Forests, Southern Circle.

FORM No. 48  
FOREST DEPARTMENT, BOMBAY—SOUTHERN CIRCLE.  
*Record of Demarcation and Maintenance of Boundaries, 1896-97.*

DIVISION.			Length of boundaries artificially demarcated during the year.	Length of previously existing boundaries repaired.	Length of previously existing boundaries not repaired.	Total length of artificially marked boundaries at the close of the year.	Length of boundaries not demar- cated at the close of the year.	Length of natural boundaries not requiring artificial marks.	Total length of boundaries at the close of the year.	EXPENDITURE ON DEMAR- CATION DURING THE YEAR.		REMARKS.
										On new work.	On Repairs.	
1			2	3	4	5	6	7	8	9	10	11
			Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Rs.	Rs.	
Northern Division, Kánara	...	...	...	...	1,335	1,335	...	376	1,711	...	...	
Southern do. do.	...	...	...	...	3,160	3,160	...	12	3,172	...	...	
Western do. do.	...	...	...	...	2,860	2,860	...	249	3,109	...	...	
Belgaum do. ...	...	11	...	...	1,686	1,697	...	177	1,874	647	...	
Dhárwár do. ...	...	...	...	...	3,379	3,379	...	...	3,379	...	...	
Bijápur do. ...	...	...	...	...	190	190	...	25	215	3,210	...	
Kolába do. ...	...	...	...	1	1,668	1,669	...	65	1,734	...	1	
Ratnágiri do. ...	...	9	3	80	92	71	77	240	31	8		
Total	...	20	4	14,358	14,382	71	981	15,434	3,888	9		

To demarcate the boundaries by special marks, stone-pillars were prepared during the year at a cost of Rs. 3,210.

N.B.—Boundaries include, besides the outer perimeter, the limits of enclosures of private or other lands within the forests, but not the limits of sub-divisions, such as blocks, compartments, coupes.

Belgaum, 11th October 1897

W. G. BETHAM,  
Deputy Conservator of Forests, Southern Circle.

FORM No. 49.

FOREST DEPARTMENT, BOMBAY, SOUTHERN CIRCLE.

Statement of Forest Areas Surveyed and under Survey during the year 1896-97.

Names of Districts.	Areas surveyed and under survey during the year.																										Areas remaining to be taken under Survey.	Total Forest area at end of the year as per Form No. 46.	Cost.			REMARKS.
	Special Surveys—Maps on 4 inch scale or over, by Survey of India Department or Forest Survey Branch.									Ordinary, included in District Surveys.							Chain and Compass or other Surveys by local Officers.															
	WITH INTERIOR DETAILS.					BOUNDARY SURVEYS.				WITH INTERIOR DETAILS.					BOUNDARY SURVEYS.		WITH INTERIOR DETAILS.					BOUNDARY SURVEYS.										
	WITH DETAILS OF GROWING STOCK.		WITHOUT DETAILS OF GROWING STOCK.			Total Cost.	Previous.	Of the year.	Total Cost.	WITH DETAILS OF GROWING STOCK.		WITHOUT DETAILS OF GROWING STOCK.			Total Cost.	Previous.	Of the year.	Total cost.	4-INCH OR OVER.		UNDER 4-INCH.			Total Cost.	Previous.	Of the year.			Total Cost.			
	Previous.	Of the year.	Previous.	Of the year.	Previous.					Of the year.	Previous.	Of the year.	Previous.	Of the year.					Previous.	Of the year.												
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
Kanara ... ..	...	...	*1,821	348	37,235	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1,324	3,493	250,185	37,235	287,420	*Include area surveyed on 2" scale, and the Superintendent, Forest Surveys, has been asked to furnish the figures.		
Belgaum ... ..	...	...	160	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	517	677	18,528	...	18,528	† Surveyed and mapped on 2" scale by No. 10 Party.		
Dhārwar ... ..	...	...	†116	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	247	363	9,945	...	9,945			
Bijāpur ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	270	270	...	...	...			
Kolāba ... ..	...	...	281	15	2,449	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	157	453	45,193	2,449	47,642			
Ratnāgiri ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	22	22	...	...	...		
Total ... ..	...	...	2,378	363	39,684	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2,537	5,278	323,851	39,684	363,535			

Camp Khánápur, Belgaum District, }  
7th January 1898.

W. G. BETHAM,  
Acting Conservator of Forests, Southern Circle.

## FORM No. 50.

## FOREST DEPARTMENT, BOMBAY—SOUTHERN CIRCLE.

*Progress made in Working-Plans, 1896-97.*

Division.	AREAS FOR WHICH WORKING-PLANS HAVE BEEN COMPLETED.		AREAS FOR WHICH WORKING-PLANS ARE BEING COMPILED.		Areas for which Working-Plans have still to be taken in hand.	Total Forest area, as in Form No. 46.	Entire cost, per square mile, of Working-Plans completed.	REMARKS.
	At commence-ment of the year.	During the year.	At commence-ment of the year.	Taken in hand during the year.				
1	2	3	4	5	6	7	8	9
	Sq. ms.	Sq. ms.	Sq. ms.	Sq. ms.	Sq. ms.	Sq. ms.	Rs.	
Northern Division, Kánara ...	263	.....	32	.....	622	917	545	
Southern do. do. ...	.....	.....	59	66	1,367	1,492	.....	
Western do. do. ...	.....	.....	.....	.....	1,084	1,084	... ..	
Belgaum do. ...	.....	.....	.....	.....	676	676	.....	
Dhárwár do. ...	.....	.....	.....	155	210	365	.....	
Bijápur do. ...	.....	.....	.....	.....	245	245	.....	
Kolába do. ...	419	.....	.....	.....	26 *	445	33	* "Pasture" reserves not to be organized.
Ratnágiri do. ...	.....	.....	.....	.....	22	22	.....	
Total ...	682	.....	91	221	4,252	5,246	.....	

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Belgaum, 11th October 1897.

W. G. BETHAM,  
Deputy Conservator of Forests, Southern Circle.

## FORM No. 51.

FOREST DEPARTMENT, BOMBAY—SOUTHERN CIRCLE.  
Communications and Buildings during 1896-97.

Division.	NEW WORK UNDERTAKEN DURING THE YEAR.						REPAIRS EXECUTED DURING THE YEAR.						REMARKS.									
	Buildings.		Roads and Paths.			Total Expenditure on new work.	Buildings.		Roads and Paths.			Total Expenditure on Repairs.										
	Description of Building.	Expenditure incurred.	Road or Path and object of the same.	Length of Road or Path.	Expenditure incurred.		Nature of Repairs.	Expenditure incurred.	Nature of Repairs.	Length repaired.	Expenditure incurred.											
1	2	3	4	5	6	7	8	9	10	11	12	13	14									
Northern Division Kánara.	9 Forest-houses partly built	Rs. 7,487	Construction of a road from Barchi to Nana-kesrodga.	Miles. 6	Rs. 2,620	Rs.	Monsoon repairs to the several Forest buildings in the Division.	Rs. 246	Repairs to Forest cart-tracks ... .. Contribution for repairs to the Bhagawati-Patoli road.	Miles. 22 15	Rs. 161 200	Rs.	* These figures do not tally with those shown in Form No. 61, if each Division be taken separately, but the totals of the three Divisions do tally, and this is due to the territorial changes sanctioned in G. R. No. 10330 of 17th December 1896.									
	Additions and alterations to the Range Forest office building at Haliyal	98																				
	Total ...	7,580													2,620	*18,200	246		361	*607		
Southern Division Kánara.	Saw-mill shed ... ..	1,047	Construction of a road from Bilki to Siddalgundi. Construction of a road to the Saw-mill shed. Yards.	6 430	2,343 103		Monsoon and petty repairs to the several Forest buildings in the following ranges :- Yellápur ... .. Mungod ... .. Sirsi ... .. Siddápur ... .. Fencing around Forest buildings in the Division.	860 231 79 41 300	Repairs to Forest cart-tracks in the Yellápur Range. Do. do. in the Mundrod Range Contribution to the District Local Board for repairs to the Katur-Umachgi road.	41 5 .....	865 126 200											
	24 huts for saw-mill workmen.	503																				
	Range Forest office building at Siddápur.	1,096																				
	Sinking a well at Chipgeri.	450																				
	Do. Yekambi.	350																				
	Do. Khurshi.	350																				
	Do. Waderhukli.	300																				
	Do. Dowginála.	350																				
	Cost of completing a well at Basavankop.	186																				
	Total ...	4,652													2,416	*7,098	1,511		1,191	*2,702		
Western Division Kánara.	Temporary Náka at Manaki.	5				Cost of monsoon and petty repairs to the several Forest buildings in the Kárvár, Ankola, Kumta and Honáwar Ranges.	1,080	Contribution to the Local Board for repairs to the Hyder-Ghat road. Repairs to the Forest cart-track from Gopshitta to Pashanmushi, feet. Repairs to a Timber slide at the Kodibug Depôt.	..... 1,910 .....	100 52 15												
	Cost of completing a well at Hattikeri.	210																				
	Total ...	215														*215	1,080		167	*1,247		
Belgaum Division.	.....	...	Extension of the Timber cart-road from Nágargali to Barchi. Construction of a road from the rest-house at Nágargali to the Barchi-Nágargali road.	1 1	200 150		Monsoon repairs to the rest-house at Nágargali. Do. do. to several Náka houses in the Division. Do. do. to temporary sheds in the Division. Repairs to a well at Nágargali ...	6 107 24 5	Metalling, ditching and rolling the Hali-Nágargali road. Do. do. the Nágargali-Barchi road.	9.5 2	541 840											
	Total ...	...													350 350	142		1,381 1,523				
Dhárwar Division.	Temporary Náka at Mandimal.	12				Monsoon repairs to several Forest buildings in the Division.	204															
	Total ...	12														204						
Bijápur Division.	...	...																				
	Guards' houses in the Karjat and Khálápur Ranges.	335																				
	Total ...	335														335	24		30 54			
Kolápa Division.	...	...					Repairs to Guards' houses in the Division.	24	Repairs to the Forest road between camp Dápoli and Band Reserves.	5	30											
	Total ...	...																				
Ratnágiri Division.	...	...					Repairs to Guards' hut in the camp plantation.	17														
	Total ...	...																				
	Grand Total ...	12,794			5,416	18,210		3,224			3,130	6,354										

## FOREST DEPARTMENT, BOMBAY,—SOUTHERN CIRCLE.

*Prosecutions for Breaches of Forest Rules during 1896-97.*

Forest Division and Civil District.	Cases pending from 1895-96.	NEW CASES OF THE YEAR.					Total Cases.	DISPOSED OF DURING THE YEAR.						Cases pending at close of the year.
		Injury to forest by fire.	Unauthorized Felling or Appropriation of wood and minor Forest Produce.	Grazing without permission or in Tracts in which Grazing is prohibited.	Other Offences.	Total new cases of the year.		Convictions.		Acquittals.		Total.		
								Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Northern Division, Kánara.	A ...	3	1	6	3	10	13	5	5	4	4	9	9	4
	B ...	...	...	10	...	10	10	10	33	...	...	10	33	...
	C ...	...	60	4	...	64	64	...	...	...	...	...	...	...
	Total ...	3	61	20	3	84	87	15	38	4	4	19	42	4
Southern Division, Kánara.	A ...	*10	...	48	3	51	61	43	50	12	19	55	69	6
	B ...	...	...	57	...	57	57	57	63	...	...	57	63	...
	C ...	...	81	7	...	88	88	...	...	...	...	...	...	...
	Total ...	10	81	112	3	193	206	100	113	12	19	112	132	6
Western Division, Kánara.	A ...	*2	...	40	7	47	49	34	46	15	53	49	99	...
	B ...	...	...	48	2	50	50	50	89	...	...	50	89	...
	C ...	...	72	16	3	91	91	...	...	...	...	...	...	...
	Total ...	2	72	104	12	188	190	84	135	15	53	99	188	...
Belgaum Division ...	A ...	4	...	21	3	24	28	18	34	5	23	23	57	5
	B ...	...	...	155	12	167	167	167	167	...	...	167	167	...
	C ...	...	128	67	...	195	195	...	...	...	...	...	...	...
	Total ...	4	128	243	3	386	390	185	201	5	23	190	224	5

Dhárwár Division ...	A	...	4	...	7	1	...	8	12	7	25	4	12	11	37	1
	B	...	...	...	14	...	...	14	14	14	66	...	...	14	66	...
	C	...	...	86	19	...	...	105	105	...	...	...	...	...	...	...
	Total	...	4	86	40	1	...	127	131	21	91	4	12	25	103	1
Bijápur Division ...	A	...	...	...	17	2	4	23	23	18	53	2	6	20	59	3
	B	...	...	...	31	2	...	33	33	33	122	...	...	33	122	...
	C	...	...	...	1	...	...	1	1	...	...	...	...	...	...	...
	Total	...	...	...	49	4	4	57	57	51	175	2	6	53	181	3
Kolába Division ...	A	...	72	7	159	9	44	219	291	110	290	57	162	167	452	124
	B	...	...	9	94	5	8	116	116	116	272	...	...	116	272	...
	C	...	...	114	302	...	...	416	416	...	...	...	...	...	...	...
	Total	...	72	130	555	14	52	751	823	226	562	57	162	283	724	124
Ratnágiri Division...	A	...	...	...	6	...	2	8	8	7	8	1	1	8	9	...
	B	...	...	...	15	...	1	16	16	16	44	...	...	16	44	...
	C	...	...	3	28	...	3	34	34	...	...	...	...	...	...	...
	Total	...	...	3	49	...	6	58	58	23	52	1	1	24	53	...
Grand Total ...	A	...	95	8	304	15	63	390	485	242	511	100	280	342	791	143
	B	...	...	9	424	7	23	463	463	463	856	...	...	463	856	...
	C	...	...	544	444	...	6	994	994	...	...	...	...	...	...	...
	Total	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

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A means cases taken into Court.

B means cases disposed of under Section 67 of the Indian Forest Act, 1878.

C means undetected cases.

\* The difference between these figures and those shown in Column 15 of the return for 1895-96 is due to the territorial changes sanctioned in Government Resolution No. 10330 of 17th December 1896.

Belgaum, 11th October 1897.

W. G. BETHAM,  
Deputy Conservator of Forests, Southern Circle.



FORM No. 52 A.

FOREST DEPARTMENT, BOMBAY, SOUTHERN CIRCLE.

Statement showing the Number of Cases of Misappropriation of Timber and Minor Produce of the several Divisions of the Southern Circle, for the years 1895-96 and 1896-97.

Division.	NUMBER OF CASES OF MISAPPROPRIATION OF																						Total Cases of Misappropriation.		REMARKS.
	Timber.		Firewood.		Minor Produce.																				
					Leaves.		Stones, Earth and Minerals.		Cinnamon, Matti, and Bābul Bark.		Thorns.		Canes and Kārvi.		Harda.		Bambus.		Grass.		Total.				
	1895-96.	1896-97.	1895-96.	1896-97.	1895-96.	1896-97.	1895-96.	1896-97.	1895-96.	1896-97.	1895-96.	1896-97.	1895-96.	1896-97.	1895-96.	1896-97.	1895-96.	1896-97.	1895-96.	1896-97.	1895-96.	1896-97.			
Northern Division Kānara ...	*15	13	*59	2	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1	*74	16		
Southern Division Kānara ...	*59	53	*2	2	*29	49	...	1	...	...	...	...	...	...	...	...	...	...	...	*29	50	*90	105		
Western Division Kānara ...	*19	30	*29	40	*17	11	*4	...	*7	4	*14	1	*1	...	...	2	...	...	...	*43	18	*91	88		
Belgaum Division ..	51	119	45	35	...	...	1	11	...	1	11	...	...	...	1	2	...	8	...	...	13	22	109	176	
Dhārwar do. ...	15	10	13	10	...	...	1	...	...	...	...	1	...	...	...	...	...	2	...	...	3	1	31	21	
Bijāpur do. ...	1	4	19	39	...	...	...	5	...	...	...	...	...	...	...	...	...	...	...	...	5	20	48		
Kolāba do. ...	175	139	42	114	...	...	...	...	...	...	...	...	1	...	...	...	...	3	...	...	4	...	221	253	
Ratnāgiri do. ...	7	19	1	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8	21		
Total ...	342	387	210	244	46	60	6	17	7	5	25	2	2	1	1	4	...	8	5	...	92	97	644	728	

\* The difference between these figures and those in the return for 1895-96, is due to the territorial changes sanctioned in Government Resolution No. 10330 of 17th December 1896.

Belgaum, 11th October 1897.

W. G. BETHAM,  
Deputy Conservator of Forests, Southern Circle.

## FORM No. 52 B.

## FOREST DEPARTMENT, BOMBAY—SOUTHERN CIRCLE.

Statement showing the Number of Cases dealt with under Section 67 of the Indian Forest Act and the amounts paid as compensation in 1896-97, as compared with the preceding year.

Division.	1895-96.						1896-97.						REMARKS.
	CASES COMPOUNDED.					Amount realized.	CASES COMPOUNDED.					Amount realized.	
	For Misappropriation of			For	Total.		For Misappropriation of			For	Total.		
	(a) Timber.	(b) Firewood.	(c) Minor Forest Produce.	(d) Other offences.			(a) Timber.	(b) Firewood.	(c) Minor Forest Produce.	(d) Other offences.			
						Rs.						Rs.	
Northern Division, Kánara ...	*9	*58	...	2	*69	*425	9	1	...	...	10	26	
Southern Division, Kánara ...	*25	*7	*13	1	*46	*446	39	2	16	...	57	234	
Western Division, Kánara ...	*19	*13	*4	...	*36	*74	22	22	4	2	50	226	
Belgaum Division ...	47	39	12	12	110	79	106	29	20	12	167	216	
Dhárwár do. ...	4	8	1	...	13	22	4	9	1	...	14	17	
Bijápur do. ...	...	3	...	1	4	5	1	25	5	2	33	55	
Kolába do. ...	26	15	4	31	76	345	34	60	...	22	116	275	
Ratnágiri do. ...	6	...	...	...	6	10	14	...	1	1	16	13	
Total ...	136	143	34	47	360	1,406	229	148	47	39	463	1,062	

\* The difference between these figures and those in the return for 1895-96 is due to the territorial changes sanctioned in Government Resolution No. 10330 of 17th December 1896.

• Belgaum, 11th October 1897.

W. G. BETHAM,  
Deputy Conservator of Forests, Southern Circle.

## FORM No. 52 C.

FOREST DEPARTMENT, BOMBAY, SOUTHERN CIRCLE.

Statement showing the Number of Cases in which Fines amounting to Re. 1, Rs. 2, and so on, up to the maximum, were respectively inflicted during 1896-97.

Division.	NUMBER OF FINES INFLICTED.																				TOTAL.		REMARKS.
	Re. 1 and under.	Rs. 2	Rs. 3	Rs. 4	Rs. 5	Rs. 6	Rs. 7	Rs. 8	Rs. 9	Rs. 10	Rs. 11	Rs. 12	Rs. 13	Rs. 14	Rs. 15	Rs. 25	Rs. 28	Rs. 31	Rs. 37	Rs. 79	Number.	Amount.	
Northern Division, Kánara ...	2	1	6	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	10	26	
Southern Division, Kánara ...	17	11	7	2	7	2	2	2	...	2	...	...	2	...	1	1	...	1	...	...	57	234	
Western Division, Kánara ...	18	12	4	6	2	2	1	1	1	...	...	1	...	...	...	...	1	...	...	1	50	226	
Belgaum Division ...	114	19	16	2	3	9	...	1	...	...	1	2	...	...	...	...	...	...	...	...	167	216	
Dhárwár do. ...	10	1	2	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	14	17	
Bijápur do. ...	19	9	2	...	...	...	...	1	...	1	1	...	...	...	...	...	...	...	...	...	33	55	
Kolábá do. ...	59	22	11	5	13	...	1	2	...	2	...	...	...	...	...	...	...	...	1	...	116	275	
Ratnágiri do. ...	13	1	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	16	13	
Total ...	252	76	49	16	26	13	5	7	1	5	2	3	2	...	1	1	1	1	1	1	463	1,062	

W. G. BETHAM,

Deputy Conservator of Forests, Southern Circle.

Belgaum, 11th October 1897.

## FORM No. 53.

## FOREST DEPARTMENT, BOMBAY, SOUTHERN CIRCLE.

*Area of Forest Tracts Protected from Fire during 1896-97.*

Division.	Forest Tracts.	Year in which protection commenced.	Area protected during 1896-97.	Area attempted to be protected.	Failures.	Area actually protected.	Cost.	REMARKS.
1	2	3	4	5	6	7	8	9
			Acres.	Acres.	Acres.	Acres.	Rs.	
Northern Division, Kánara.	Haliyál ... ..	1887-88 ...	190,659	190,751	48,591	142,160	4,004	
	Supa ... ..	1888-89 ...	52,003	42,594	1,440	41,154	1,028	
	Total ...	...	242,662	233,345	50,031	183,314	5,032	
Southern Division, Kánara.	Yellápur ... ..	1888-89 ...	83,002	61,822	2,713	59,109	2,243	
	Mundgod ... ..	" ...	56,725	49,574	11,694	37,880	2,040	
	Total ...	...	139,727	111,396	14,407	96,989	4,283	
Western Division, Kánara.	Kárwár ... ..	1887-88 ...	119,935	136,660	260	136,400	1,998	
	Ankolá ... ..	1888-89 ...	33,114	33,126	13	33,113	1,060	
	Total ...	...	153,049	169,786	273	169,513	3,058	
Belgaum Division ...	Chikodi ... ..	1883-84 ...	1,619	2,534	...	2,534	48	
	Khánápur ... ..	1884-85 ...	96,540	110,935	4,644	106,291	2,635	
	Belgaum ... ..	1886-87 ...	69,720	1,842	91	1,751	38	
	Gokák-Sampgaon ...	1887-88 ...	11,898	3,169	...	3,169	59	
	Total ...	...	179,777	118,480	4,735	113,745	2,780	
Dhárwár Division ...	Dhárwár ... ..	1888-89 ...	7,959	4,880	140	4,740	363	
	Kalghatgi ... ..	" ...	6,140	9,124	612	8,512	201	
	Baukápúr ... ..	" ...	4,536	4,599	937	3,662	234	
	Hángal ... ..	" ...	3,749	3,844	94	3,750	143	
	Kod ... ..	" ...	6,406	6,712	596	6,116	31	
	Gadag ... ..	" ...	6,082	6,406	...	6,406	20	
	Total ...	...	34,872	35,565	2,379	33,186	992	
Bijápur Division ...	Bádámi ... ..	1889-90 ...	30,619	30,707	...	30,707	77	
	Bágalkot ... ..	" ...	42,309	42,684	...	42,684	95	
	Total ...	...	72,928	73,391	...	73,391	172	
Kolába Division ...	Khálápur ... ..	1887-88 ...	15,631	14,527	124	14,403	70	
	Alibág ... ..	1892-93 ...	4,452	4,312	199	4,113	78	
	Nágothna ... ..	" ...	2,647	3,780	...	3,780	100	
	Roha ... ..	" ...	7,631	2,169	137	2,032	71	
	Mángaon ... ..	" ...	2,820	4,533	183	4,350	79	
	Mahád ... ..	" ...	3,667	2,235	...	2,235	63	
	Panvel ... ..	" ...	1,517	19,973	395	19,578	71	
	Karjat ... ..	" ...	26,623	27,737	226	27,511	78	
	Pen ... ..	1894-95 ...	1,703	2,155	50	2,105	52	
	Dápoli ... ..	" ...	2,087	2,090	...	2,090	24	
	Total ...	...	68,778	83,511	1,314	82,197	691	
Ratnágiri Division ...	Dápoli ... ..	1889-90 ...	496	498	7	491	17	
	Khed ... ..	1892-93 ...	6,414	6,414	1	6,413		
	Chiplun ... ..	" ...	773	798	...	798		
	Sangameshwar ... ..	" ...	3,101	3,101	4	3,097		
	Ratnágiri ... ..	" ...	270	270	...	270		
	Rájápur ... ..	" ...	322	322	1	321	17	
	Devgad ... ..	" ...	11	11	...	11		
	Málvan ... ..	1889-90 ...	625	625	...	625		
	Vengurla ... ..	1892-93 ...	10	10	...	10		
	Total ...	...	12,022	12,049	13	12,036	17	
GRAND TOTAL			...	903,815	837,523	73,152	764,371	17,025

W. G. BETHAM,•

Deputy Conservator of Forests, Southern Circle.

Belgaum, 11th October 1897.

## FORM No. 54.

FOREST DEPARTMENT, BOMBAY—SOUTHERN CIRCLE.

*Area closed and open to Grazing during 1896-97.*

Division.	AREA IN SQUARE MILES.						REMARKS.
	Closed to all Animals.		Closed to Browsers (Camels, Goats or Sheep).		Open to all Animals.	Total Area.	
	Whole year.	Part of year.	Whole year.	Part of year.	Whole year.		
1	2	3	4	5	6	7	8
Northern Division, Kánara	231	...	11	...	675	917*	* The difference between these and the figures shown in Column 7 of the return for 1895-96 is due to the territorial changes sanctioned in Government Resolution No. 10330 of 17th December 1896.
Southern Division, Kánara...	2	27	...	...	1,463	1,492*	
Western Division, Kánara..	121	...	...	...	963	1,084*	
Belgaum Division ...	45	...	631	...	...	676	
Dhárwár do. ...	59	...	306	...	...	365	
Bijápur do. ...	42	...	203	...	...	245	
Kolábá do. ...	115	...	115	...	215	445	
Ratnágiri do. ...	17	...	...	...	5	22	
Total ..	632	27	1,266	...	3,321	5,246	

W. G. BETHAM,

Deputy Conservator of Forests, Southern Circle,

*Belgaum, 11th October 1897,*

## FORM No. 55.

## FOREST DEPARTMENT, BOMBAY—SOUTHERN CIRCLE.

## Return of Grazing in the State Forests during 1896-97.

Division.	GRAZING ON PAYMENT—NUMBER OF ANIMALS.													GRAZING FREE—NUMBER OF ANIMALS.													Grand Total of Value at full rates.
	At full rates.						At privileged rates.							By right under Settlement.						During pleasure of Government, or otherwise than under Settlement.						Total Value of Fees at full rates.	
	Buffaloes.	Cows and Bullocks.	Goats and Sheep.	Camels.	Other Animals.	Fees received.	Buffaloes.	Cows and Bullocks.	Goats and Sheep.	Camels.	Other Animals.	Fees received.		Buffaloes.	Cows and Bullocks.	Goats and Sheep.	Camels.	Other animals.	Value of Fees at full rates.	Buffaloes.	Cows and Bullocks.	Goats and Sheep.	Camels.	Other Animals.	Value of Fees at full rates.		
												Actual.	Value at full rates.														
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
						Rs.						Rs.	Rs.												Rs.	Rs.	Rs.
Northern Division, Kánara ...	409	621	4	...	...	1,030	13,867	36,455	1,351	...	...	6,375	50,491	...	...	...	...	...	...	...	...	...	...	...	...	...	51,521
Southern Division, Kánara ...	257	133	...	...	...	390	38,370	55,460	2,728	...	...	11,900	94,174	...	...	...	...	...	...	...	...	...	...	...	...	...	94,564
Western Division, Kánara ...	...	...	...	...	...	...	13,120	50,765	686	...	...	8,029	63,971	...	...	...	...	...	...	...	...	...	...	...	...	...	63,971
Belgaum Division ...	2,072	5,939	13,137	...	13	6,928	5,862	42,331	11,538	...	70	14,819	29,638	...	...	...	...	...	...	16,000	41,415	...	...	...	36,708	36,708	73,274
Dhárwár do. ...	2,782	7,743	30,095	...	88	10,643	9,145	40,309	34,094	...	...	16,925	33,849	...	...	...	...	...	...	2,323	16,695	...	...	...	10,870	10,870	55,362
Bijápúr do. ...	73	549	1,176	...	32	513	1,893	9,733	6,438	...	32	4,195	8,390	...	...	...	...	...	...	703	5,379	...	...	2	3,364	3,364	12,297
Kolába do. ...	56	221	...	...	...	208	2,593	12,118	382	...	...	4,289	10,919	...	...	...	...	...	...	5,617	13,954	29	...	...	14,750	14,750	25,377
Ratnágiri do. ...	...	...	...	...	...	...	20	2	...	...	...	10	21	...	...	...	...	...	...	...	...	...	...	...	...	...	21
Total ..	5,649	15,206	44,412	...	133	19,712	84,675	2,47,173	57,217	...	102	66,542	2,91,453	...	...	...	...	...	...	21,643	77,443	29	...	2	65,722	65,722	376,887

Belgaum, 11th October 1897.

W. G. BETHAM,  
Deputy Conservator of Forests, Southern Circle.

## FORM No. 56.

## FOREST DEPARTMENT, BOMBAY—SOUTHERN CIRCLE.

## Area of Plantations, 1896-97.

Division.	Name of Plantation.	AREA IN ACRES.				RECEIPTS.	CHARGES.	REMARKS.
		On 1st July 1896.	Added during the year.	Excluded during the year.	Area on 30th June 1897.	Of the year.		
1	2	3	4	5	6	7	8	9
	<i>Regular Plantations.</i>	Acres.	Arces.	Acres.	Acres.	Rs.	Rs.	
Western Division, Kánara.	Devarbail ...	21	...	...	21	8	10	
	Kasarcod ...	198	...	...	198	...	...	
Belgaum Division.	Deshnur ...	184	...	...	184	...	...	
Dhárwár Division.	Kambárganvi ...	25	...	...	25	...	...	
	Saptápur ...	35	...	...	35	13	...	
	Devikop ...	29	...	...	29	...	...	
	Kalkundi ...	275	...	...	275	...	...	
	Hirur ...	12	...	...	12	...	...	
Bijápur Division.	Mamdápur ...	174	...	...	174	...	...	
	Anantpur ...	90	...	...	90	...	...	
	Shivpur ...	12	...	...	12	...	...	
Ratnágiri Division.	Dápoli ...	130	...	...	130	48	56	
	Total Regular Plantations ...	1,185	...	...	1,185	69	66	
	<i>Cultural Operations.</i>							
Southern Division, Kánara.	Hulihond ...	10	...	...	10	...	441	
	Kirwátti ...	3	...	...	3	...	78	
	Wantmané ...	5	...	...	5	...	36	
	Devanguddá ...	39	...	...	39	12	78	
	Banvasi ...	27	...	...	27	...	...	
Western Division, Kánara.	Anegundi ...	7	...	...	7	...	...	
	Báleguli ...	8	...	...	8	3	70	
	Sakalben ...	4	...	...	4	1	70	
	Kalkatti ...	2	...	...	2	...	...	
Belgaum Division.	Konnur ...	200	...	...	200	...	...	
	Hemadge ...	400	...	...	400	6	...	
Dhárwár Division.	Kambárganvi ...	300	...	...	300	...	...	
	Hosur ...	307	...	...	307	...	...	
	Hunshikumbri ...	300	...	...	300	...	...	
	Karkikop ...	1	...	...	1	...	...	
	Dhundshi ...	80	...	...	80	...	...	
	Alipur ...	16	...	...	16	...	...	
	Bábápur ...	25	...	...	25	...	...	
	Channikatti ...	7	...	...	7	...	...	
	Bassápur ...	6	...	...	6	...	...	
	Harikatti ...	2	...	...	2	...	...	
	Holtikota ...	200	...	...	200	...	...	
	Ragikallápur ...	25	...	...	25	...	...	



## FORM No. 56—continued.

Division,	Name of Plantation.	AREA IN ACRES.				RECEIPTS.	CHARGES.	REMARKS.
		On 1st July 1896.	Added during the year.	Excluded during the year.	Area on 30th June 1897.	Of the year.		
1	2	3	4	5	6	7	8	9
	<i>Cultural Operations—continued.</i>	Acres.	Acres.	Acres.	Acres.	Rs.	Rs.	
Dhárwár Division— <i>contd.</i>	Kalkeri ...	200	...	...	200	...	...	
	Gānginkatti ...	200	...	...	200	...	...	
	Tersikop ...	300	...	...	300	...	...	
	Kalkundi ...	100	...	...	100	...	...	
	Hindasgeri ...	400	...	...	400	...	...	
	Halekote-Chikeri ...	706	...	...	706	...	...	
	Dudihalli ...	26	...	...	26	...	...	
	Nidnigal ...	44	...	...	44	...	...	
	Chikbār ...	25	...	...	25	...	...	
	Medleri ...	100	...	...	100	...	...	
	Dambal ...	463	...	...	463	...	...	
	Sankadwadak ...	268	...	...	268	...	...	
Bijápur Division.	Nabápur ...	172	...	...	172	...	...	
	Mamdápur ...	216	...	...	216	...	...	
	Kaládgi ...	195	...	...	195	...	...	
	Jaknur ...	9	...	...	9	...	...	
	Hosur ...	2	...	...	2	...	...	
	Manglur ...	2	...	...	2	...	...	
	Total, Cultural Operations ...	5,402	...	...	5,402	22	773	
	GRAND TOTAL ...	6,587	...	...	6,587	91	839	

Belgaum, 11th October 1897.

W. G. BETHAM,  
Deputy Conservator of Forests, Southern Circle

Outturn (in cubic feet, solid) of Timber and Fuel, during the year 1896-97, and Agency of Exploitation.

Division.	TIMBER IN THE ROUGH : LOGS.					TIMBER IN THE ROUGH : POLES.					SAWN OR SQUARED TIMBER.					MISCELLANEOUS.					FUEL.					Total.
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Maght-holders.	Total.				
1																										
Northern Division, Kāwra	...	18,841	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...			
Southern Division, Kāwra	54,673	10,893	6,118	...	71,684	6,121	899	4,819	...	11,839	150,081	23,502	7,941	...	180,624	...	...	...	...	...	...	...	...			
Western Division, Kāwra	774	139,717	26,116	...	186,607	1,472	...	...	...	1,472	18,909	...	...	...	18,909	...	...	...	...	...	...	...	...			
Belgaum Division	...	...	...	...	...	53,510	6,729	1,140	...	43,568	46,962	1,606	...	...	48,568	...	...	...	...	...	...	...	...			
Dhārwar do.	...	...	...	...	...	58,169	19,239	1,578	...	79,036	...	...	...	...	...	...	...	...	...	...	...	...	...			
Bijapur do.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...			
Kolāba Ratnagiri do.	...	2,000	...	...	2,000	...	398,911	6,470	405,381	...	...	...	...	...	...	...	...	...	...	...	...	...	...			
Total	55,480	171,451	32,234	...	259,165	197,118	432,130	15,481	...	644,719	476,852	37,612	9,630	...	524,094	...	...	...	...	...	...	...	...			
Bamboos No. 3,411,298, Sandalwood Khandis 142,724, Sandalwood C. ft. 280, Sandalwood trees 1,815, Sandalwood pieces 1,740, Sandalwood stacks 37, Sandalwood stumps 2, Sandalwood loppings cart-load 1, Dry Bamboos cart-loads 68.																										

Belgaum, 11th October 1897.

W. G. BETHAM,  
Deputy Conservator of Forests, Southern Circle.

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FORM No. 57A.

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## Statement showing the Consolidated Outturn of Timber

Division.	Agency by which material removed.	MATERIAL REMOVED.						
		Timber.		Fuel.		Total Wood.		Bam
		Cubic feet.	Value.	Cubic feet.	Value.	Cubic feet.	Value.	No.
Northern Division of Kánara.	Government ... ..	358,160	511,982	15,394	960	373,554	512,942	845
	Purchasers ... ..	41,518	20,290	339,209	7,140	380,787	27,430	1,740,452
	Free grants ... ..	2,721	603	.....	...	2,721	603	10,600
	Removed under privileges ...	4,848	1,014	212,588	1,979	217,436	2,993	52,175
	Total ...	407,247	533,889	567,251	10,079	9,74,498	513,968	1,804,072
Southern Division of Kánara.	Government ... ..	210,875	250,918	26,334	1,400	237,209	252,318	806
	Purchasers ... ..	35,294	12,052	98,017	1,378	133,311	13,430	811,693
	Free grants ... ..	17,973	3,937	.....	...	17,978	3,937	5,150
	Removed under privileges ...	36,840	3,577	2,028,762	28,177	2,065,602	31,754	414,300
	Total ...	300,987	270,484	2,153,113	30,955	2,454,100	301,439	1,231,949
Western Division of Kánara.	Government ... ..	21,155	26,500	93,033	3,160	114,188	29,660	27
	Purchasers ... ..	142,837	42,870	1,923,076	69,836	2,065,913	112,706	216,093
	Free grants ... ..	26,116	5,732	.....	...	26,116	5,732	5,600
	Removed under privileges ...	6,514	481	6,789,450	45,863	6,795,934	46,344	48,740
	Total ...	196,622	75,583	8,805,559	1,18,859	9,002,181	194,412	270,360
Belgaum Division.	Government ... ..	146,646	90,312	3,127,464	2,18,485	3,274,110	308,797	500
	Purchasers ... ..	8,884	2,284	209,195	4,742	218,079	7,026	404,875
	Free grants ... ..	1,140	351	1,188	45	2,328	396	1,200
	Removed under privileges ...	.....	...	543,568	16,274	543,568	16,274	...
	Total ...	156,670	92,947	3,881,415	2,39,546	4,038,085	332,493	4,06,575
Dhárwár Division.	Government ... ..	58,169	25,237	245,610	17,328	303,779	42,565	.....
	Purchasers ... ..	19,289	1,711	53,305	921	72,594	2,632	237,955
	Free grants ... ..	1,578	359	.....	...	1,578	389	100
	Removed under privileges ...	...	...	917,411	5,250	917,411	5,250	.....
	Total ...	79,036	27,337	1,216,326	23,499	1,295,362	50,836	238,055
Bijápúr Division.	Government ... ..	48	31	.....	...	48	31	.....
	Purchasers ... ..	6,832	1,065	147,122	3,995	153,959	5,060	5,502
	Free grants ... ..	.....	...	.....	...	.....	...	.....
	Removed under privileges ...	...	...	.....	...	.....	...	.....
	Total ...	6,885	1,096	147,122	3,995	154,007	5,091	5,502
Kolába Division...	Government ... ..	1,080	233	3,735	33	4,815	266	...
	Purchasers ... ..	404,372	73,454	1,096,890	36,726	1,501,262	110,180	.....
	Free grants ... ..	6,470	986	.....	...	6,470	986	.....
	Removed under privileges ...	...	...	1,044,600	17,410	1,044,600	17,410	.....
	Total ...	411,922	74,673	2,145,225	54,169	2,557,147	128,842	...
Ratnágiri Division.	Government ... ..	33	3	.....	...	33	3	.....
	Purchasers ... ..	12,697	1,420	13,952	862	26,649	2,282	.....
	Free grants ... ..	1,342	281	.....	...	1,342	281	.....
	Removed under privileges ...	.....	...	.....	...	.....	...	.....
	Total ...	14,072	1,704	13,952	862	28,024	2,566	.....
ABSTRACT.								
Southern Circle...	Government ... ..	796,166	9,05,216	3,511,570	2,41,366	4,307,736	1,146,582	2,178
	Purchasers ... ..	671,728	1,55,146	3,880,826	1,25,600	4,552,554	280,746	(a) 3,416,570
	Free grants ... ..	57,345	12,279	1,188	45	58,533	12,324	22,550
	*Removed under privileges ...	43,202	5,072	11,536,379	1,14,953	11,584,581	120,025	515,215
	Total in 1896-97 ...	1,573,441	10,77,713	18,929,963	4,81,964	20,503,404	1,559,677	3,956,513
	Total in 1895-96 ...	1,680,555	10,77,830	21,696,818	5,48,420	23,377,373	1,626,250	5,156,787
	Difference in 1896-97 ...	-107,114	-117	-2,766,855	-66,456	-2,873,969	-66,573	-1,200,274

\* There are no right-holders in the Circle.

(a) Besides 68 cart-loads of dry bamboos.

Camp Suthatti, Belgaum District,  
18th December 1897.

No. 57A.

BOMBAY, SOUTHERN CIRCLE.

Fuel and Minor Produce during 1896-97.

					AVERAGE OUTTURN PER SQUARE MILE OF ALL FORESTS.							RE- MARKS.
boos.	Sandalwood.		Minor produce.	Grazing.	Timber and Fuel.		Bamboos.		Sandal- wood.	Minor produce.	Grazing.	
Value.	No. or quantity.	Value.	Value.	Value.	Cubic feet.	Value.	No.	Value.	Value.	Value.	Value.	
Rs.		Rs.	Rs.	Rs.		Rs.		Rs.	Rs.	Rs.	Rs.	
15	.....	...	8,966	...	...	...	...	...	...	...	...	
24,845	.....	...	10,480	6,061	...	...	...	...	...	...	...	
35	.....	...	...	...	...	...	...	...	...	...	...	
169	.....	...	15	...	...	...	...	...	...	...	...	
25,064	.....	...	19,461	6,061	1,063	594	1,969	27	...	21	7	
8	Khandis. 52 15 4 Cubic feet. 2-0	4,558	23,094	12	...	...	...	...	...	...	...	
11,323	.....	...	2,102	8,619	...	...	...	...	...	...	...	
31	.....	...	...	...	...	...	...	...	...	...	...	
903	.....	...	5 709	...	...	...	...	...	...	...	...	
12,265	.....	4,558	30,905	8,631	1,645	202	826	8	3	21	6	
1	.....	...	2,105	...	...	...	...	...	...	...	...	
2,471	.....	...	8,778	6,033	...	...	...	...	...	...	...	
37	.....	...	2	...	...	...	...	...	...	...	...	
141	.....	...	32	...	...	...	...	...	...	...	...	
2,650	.....	...	10,918	6,033	8,306	179	249	2	...	10	6	
22	Trees pieces, &c. 1,801	1,821	37,188	...	...	...	...	...	...	...	...	
7,764	1,297	867	3,069	20,635	...	...	...	...	...	...	...	
9	.....	...	...	...	...	...	...	...	...	...	...	
.....	.....	...	3,314	55,347	...	...	...	...	...	...	...	
7,795	.....	2,683	43,571	75,932	5,970	492	601	11	4	64	112	
.....	Khandis. 89 12 20 Trees.	6,201	77	...	...	...	...	...	...	...	...	
6,404	497	497	2,160	26,257	...	...	...	...	...	...	...	
3	.....	...	4	...	...	...	...	...	...	...	...	
.....	.....	...	771	10,870	...	...	...	...	...	...	...	
6,407	.....	6,698	3,012	37,127	3,550	139	653	17	18	8	102	
123	.....	...	4,868	...	...	...	...	...	...	...	...	
.....	.....	...	2,086	5,550	...	...	...	...	...	...	...	
.....	.....	...	2,334	6,760	...	...	...	...	...	...	...	
123	.....	...	9,288	12,310	629	21	22	...	...	38	50	
.....	.....	...	1,495	5,756	...	...	...	...	...	...	...	
.....	.....	...	5,145	14,750	...	...	...	...	...	...	...	
.....	.....	...	6,640	20,506	5,748	289	...	...	...	15	46	
.....	.....	...	2	104	...	...	...	...	...	...	...	
.....	.....	...	7	...	...	...	...	...	...	...	...	
.....	.....	...	9	104	1,268	115	...	...	...	...	5	
46	Khandis. 142 7 24 Trees pieces, &c. 1,801 Cubic feet. 280	12,580	76,299	12	...	...	...	...	...	...	...	
52,930	Trees, &c. 1,794	1,364	80,172	79,015	...	...	...	...	...	...	...	
115	.....	...	6	...	...	...	...	...	...	...	...	
1,213	.....	...	17,327	87,727	...	...	...	...	...	...	...	
54,304	.....	13,944	123,804	166,751	3,909	297	754	10	3	24	32	
70,003	.....	13,043	280,913	168,842	4,456	309	983	13	3	54	32	
-15,699	.....	+ 901	-157,139	-2,088	-547	-12	-229	-3	...	-30	...	

## FORM No. 58.

## FOREST DEPARTMENT, BOMBAY, SOUTHERN CIRCLE.

## Outturn of Minor Forest Produce for the year 1896-97.

Division.	PRODUCE REMOVED OR UTILIZED.											REMARKS.	
	Description of Produce.	By Government Agency.		By Purchasers.		By Free Grantees.		By Right-holders.		Total.			
		Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.		
Northern Division, Kánara.	Honey	...	...	...	777	...	...	...	...	...	777		
	Myrobollams	...	Khandis.	726	8,808	...	...	...	...	726	8,808		
	Shigekai	...	...	...	605	...	...	...	...	...	605		
	Tapping fees on Baini trees	...	...	...	40	...	...	...	...	...	40		
	Canes	...	Head-loads	...	17	...	...	...	...	...	17	4	
	Thorns	...	Do.	1	1	...	...	...	...	...	1	1	
	Cinnamon bark	...	Do.	...	155	...	16	...	...	...	16	156	
	Karvi	...	Do.	...	...	...	84	...	...	...	84	1	
	Leaves	...	Do.	1	1	...	90	...	...	...	91	3	
	Shindoli leaves	...	Cart-loads	...	...	...	95	...	...	...	95	48	
	Stones	...	Cubic feet	...	...	...	3,116	...	...	...	3,116	5	
	Shembi bark	...	...	...	...	...	31	...	...	...	...	31	
	Pandri sticks	...	...	5	1	...	...	...	...	...	5	1	
	Grass	...	...	...	...	...	139	...	...	...	...	139	
Grazing fees	...	...	...	...	...	5,922	...	...	...	...	5,922		
	Total	...	...	8,966	...	16,641	...	...	...	...	25,507		
Southern Division, Kánara.	Honey and Wax	...	...	...	...	1,964	...	...	...	...	1,964		
	Shigekai	...	Maunds	29	30	...	...	...	...	29	30		
	Baini trees	...	No.	...	...	52	73	...	...	52	73		
	Myrobollams	...	Khandis.	2,009	23,064	...	...	...	...	2,009	23,064		
	Canes	...	Head-loads	...	...	...	18	...	...	...	18	7	
	Leaves	...	Do.	...	...	...	215	...	...	...	215	28	
	Thorns	...	Do.	...	...	...	20	...	...	...	20	2	
	Fruit farm	...	Do.	...	...	...	...	...	...	...	...	3	
	Stones	...	Cubic feet.	...	...	...	2,274	...	...	...	2,274	16	
	Earth	...	Do.	...	...	...	1,644	...	...	...	1,644	9	
	Grass	...	Bundles	18,140	12	...	...	...	...	...	18,140	12	
	Grazing fees	...	...	...	...	...	8,619	...	...	...	...	8,619	
	Total	...	...	23,106	...	10,721	...	...	...	...	33,827		
Western Division, Kánara.	Myrobollams	...	Khandis.	82	980	...	...	...	...	...	82	980	
	Shigekai	...	Do.	37	972	...	31	...	...	...	37	1,003	
	Divi divi pods	...	Maunds	77	154	...	...	...	...	...	77	154	
	Catechu farm	...	...	...	...	...	7,501	...	...	...	...	7,501	
	Honey do.	...	...	...	...	...	498	...	...	...	...	498	
	Cinnamon do.	...	...	...	...	...	287	...	...	...	...	287	
	Shembi bark do.	...	...	...	...	...	31	...	...	...	...	31	
	Nux-vomica do.	...	...	...	...	...	22	...	...	...	...	22	
	Pepper do.	...	...	...	...	...	20	...	...	...	...	20	
	Fruit do.	...	...	...	...	...	10	...	...	...	...	10	
	Shigechelli	...	Maunds	...	...	...	693	...	...	...	693	173	
	Mattichelli	...	Do.	...	...	...	6	...	...	...	6	2	
	Canes	...	Head-loads	...	...	...	448	...	8	2	456	173	
	Karvi	...	Do.	...	...	...	390	...	...	...	390	2	
	Leaves	...	Do.	...	...	...	16	...	...	...	16	1	
	Creepers	...	Do.	...	...	...	59	...	...	...	59	7	
	Stones	...	Cubic feet	...	...	...	500	...	...	...	500	2	
	Do.	...	Cart-loads.	...	...	...	303	...	...	...	303	19	
	Earth	...	Do.	...	...	...	12	...	...	...	12	1	
	Grass farm	...	...	...	...	...	12	...	...	...	...	12	
	Grazing fees	...	...	...	...	...	6,021	...	...	...	...	6,021	
	Total	...	...	2,106	...	14,811	...	2	...	...	...	16,919	
Belgaum Division.	Myrobollams	...	Khandis	3,040	36,901	...	2	...	...	...	3,042	36,930	
	Thorns	...	Bullock-loads	...	...	...	223	...	...	...	223	21	
	Do.	...	Cart-loads	...	...	...	52	...	...	...	52	23	
	Do.	...	Head-loads	...	...	...	78	...	...	...	78	4	
	Karvi	...	Cart-loads	...	...	...	44	...	...	...	44	26	
	Canes	...	Head-loads	...	...	...	138	...	...	...	138	9	
	Dry palm-trees	...	...	...	...	...	10	...	...	...	10	10	
	Wild date palm leaves	...	Cart-loads	...	...	...	455	...	...	...	455	244	
	Do.	...	Head-loads	...	...	...	2,478	...	...	...	2,478	77	
	Matti bark	...	Cart-loads.	...	...	...	6	...	...	...	6	6	
	Bandurbi branches	...	Head-loads.	...	...	...	1,967	...	...	...	1,967	92	
	Earth	...	Cart-loads	...	...	...	59	...	...	...	59	6	
	Do.	...	Cubic feet	...	...	...	5,000	...	...	...	5,000	3	
	Stones	...	Do.	...	...	...	3,616	...	...	...	3,616	18	
Do.	...	Cart-loads.	...	...	...	4,945	...	...	...	4,945	383		
Do.	...	Donkey-loads	...	...	...	419	...	...	...	419	7		

## FORM No. 58—continued.

Division.	Description of Produce.	PRODUCE REMOVED OR UTILIZED.										REMARKS.	
		By Government Agency.		By Purchasers.		By Free Grantees.		By Right-holders.		Total.			
		Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.		
			Rs.		Rs.		Rs.		Rs.		Rs.		
Belgaum Division—contd.	Shigekai ... .. Khandis.	10	287	...	...	...	...	...	...	10	287		
	Shigekai farm ... .. Maunds.	...	...	800	901	...	...	...	...	800	901		
	Wax do. ... .. Do.	...	...	54	643	...	...	...	...	94	643		
	Cinnamon do. ... .. Do.	...	...	1,300	131	...	...	...	...	1,300	131		
	Gum do. ... .. Do.	...	...	160	434	...	...	...	...	160	434		
	Milk-bush ... .. Head-loads.	...	...	24	2	...	...	...	...	24	2		
	Grass ... ..	...	...	...	954	...	...	...	...	...	954		
	Grazing fees ... ..	...	...	...	19,681	...	...	...	...	...	19,681		
	Total ...	...	37,188	...	23,704	...	...	...	...	...	60,892		
Dhárwar Division.	Karanj seed farm ... ..	...	...	...	1,018	...	...	...	...	...	1,018		
	Bábul pods do. ... ..	...	...	...	10	...	...	...	...	...	10		
	Tarwad bark do. ... ..	...	...	...	526	...	...	...	...	...	526		
	Myrobollams ... .. Khandis.	8	77	...	9	...	...	...	...	...	86		
	Stones ... .. Cart-loads.	...	...	3,227	268	...	...	...	...	3,227	268		
	Do. ... .. Animal-loads.	...	...	43	1	...	...	...	...	33	1		
	Earth ... .. Cart-loads.	...	...	116	7	...	...	...	...	116	7		
	Thorns ... .. Do.	...	...	382	71	...	...	...	...	882	71		
	Do. ... .. Heaps.	...	...	2,297	131	...	...	...	...	2,297	131		
	Do. ... .. Head-loads.	...	...	11	1	...	...	...	...	11	1		
	Palm tree leaves ... .. Do.	...	...	173	3	...	...	...	...	173	3		
	Do. ... .. Cart-loads.	...	...	12	12	...	...	...	...	12	12		
	Do. ... .. Animal-loads.	...	...	544	34	...	...	...	...	544	34		
	Tapping fees on toddy trees ... ..	...	...	118	7	...	...	...	...	118	7		
	Grass farm ... ..	...	...	...	1,084	...	...	...	...	...	1,084		
	Do. ... .. Bundles.	...	...	29,500	59	...	...	...	...	29,500	59		
	Do. ... .. Cart-loads.	...	...	...	9	...	...	...	...	5	9		
	Do. ... .. Head-loads.	...	...	3,840	120	...	...	...	...	3,840	120		
	Grazing fees ... ..	...	...	...	24,985	...	...	...	...	...	24,985		
	Broom grass ... .. Head-loads.	...	...	118	2	...	...	...	...	118	2		
	Do. ... .. Cart-loads.	...	...	291	60	...	...	...	...	291	60		
	Peeragi, &c., twigs ... .. Loads.	...	...	...	...	60	4	...	...	60	4		
		Total ..	...	77	...	28,417	...	4	...	...	...	28,498	
Bijapur Division.	Stones ... .. Cubic feet.	...	...	143,743	1,102	...	...	...	...	143,743	1,102		
	Earth ... .. Do.	...	...	12,508	754	...	...	...	...	12,508	754		
	Bandurbi leaves ... .. Cart-loads.	...	...	31	76	...	...	...	...	31	76		
	Do. ... .. Bullock-loads.	...	...	2	2	...	...	...	...	2	2		
	Do. ... .. Head-loads.	...	...	783	42	...	...	...	...	783	42		
	Thorns ... .. Do.	...	...	1,349	27	...	...	...	...	1,349	27		
	Do. ... .. Cart-loads.	...	...	837	63	...	...	...	...	837	63		
	Tarwad bark ... .. Khandis.	342	3,861	...	...	...	...	...	...	342	3,861		
	Grass from Kurans ... ..	...	...	...	899	...	...	...	...	...	899		
	Grazing fees ... ..	...	...	...	4,651	...	...	...	...	...	4,651		
		Total ..	...	3,861	...	7,636	...	...	...	...	...	11,497	
Koláha Division.	Myrobollams farm ... ..	...	...	...	275	...	...	...	...	...	275		
	Shigekai do. ... ..	...	...	...	553	...	...	...	...	...	553		
	Shembi bark do. ... ..	...	...	...	272	...	...	...	...	...	272		
	Karvi do. ... ..	...	...	...	173	...	...	...	...	...	173		
	Palm trees... ..	...	...	...	190	...	...	...	...	...	190		
	Thorns ... ..	...	...	...	1	...	...	...	...	...	1		
	Stones ... ..	...	...	...	31	...	...	...	...	...	31		
Ratnágiri Division.	Grass and grazing fees ... ..	...	...	...	5,756	...	...	...	...	...	5,756		
		Total ...	...	...	...	7,251	...	...	...	...	...	7,251	
Ratnágiri Division.	Cashew nuts ... ..	...	...	...	2	...	...	...	...	...	2		
	Grass ... ..	...	...	...	104	...	...	...	...	...	104		
		Total ...	...	...	...	106	...	...	...	...	...	106	

W. G. BETHAM,

Deputy Conservator of Forests, Southern Circle.

Belgaum, 11th October 1897,

p 1428—14 s c



FROM No. 59.

FOREST DEPARTMENT, BOMBAY, SOUTHERN CIRCLE.

*Account of Timber and other Produce cut or collected by Government Agency and brought to sale Depôts  
or sold locally during the year 1896-97.*

Particulars.	No. or Quantity.	Cubic Feet.	TOTAL OF EACH HEAD.		Particulars.	No. or quantity.	Cubic Feet.	TOTAL OF EACH HEAD.	
			No. or Quantity.	Cubic Feet.				No. or quantity.	Cubic Feet.
BALANCE AT THE COMMENCEMENT OF THE YEAR.					TIMBER.				
Northern Division of Kanara.					REMOVED BY PURCHASERS FROM DEPOTS.				
Teak logs ... ..	7,862	223,139			Teak logs ... ..	8,707	240,228		
Do. poles ... ..	4	176			Do. poles ... ..	38,926	171,509		
Do. demarcation boards...	104	104			Do. slats ... ..	6,175	5,162		
Blackwood logs ... ..	1,475	30,021			Do. Jaraiti stacks ... ..	104	1,710		
Do. end pieces ... ..	27	187			Do. Jaraiti wood ... ..	1,864	1,866		
Junglewood logs ... ..	1,230	36,549			Do. stumps ... ..	85	724		
Do. sleepers ... ..	543	1,120			Do. trees ... ..	1,300	4,550		
Do. slabs ... ..	2	4			Do. pieces ... ..	329	887		
Do. poles ... ..	7	34			Blackwood logs ... ..	1,469	33,723		
Sugarcane mill rollers ... ..	3	12			Do. end pieces ... ..	30	196		
Southern Division of Kanara.					Do. poles ... ..	849	4,210		
Teak logs ... ..	4,094	69,113			Do. Jaraiti stacks ... ..	2	30		
Do. poles ... ..	1,474	6,375			Junglewood logs ... ..	2,626	55,895		
Do. slats ... ..	6,175	5,162			Do. poles ... ..	9,871	33,219		
Do. Jaraiti wood ... ..	439	880			Do. sleeper logs ... ..	234	884		
Blackwood logs ... ..	191	4,022			Do. sleepers ... ..	92,406	122,783		
Do. poles ... ..	14	46			Do. slats ... ..	6,213	3,859		
Junglewood logs ... ..	1,043	17,228			Do. Jaraiti wood ... ..	95	123		
Do. poles ... ..	52	311			Do. Jaraiti stacks ... ..	12	180		
Do. sleepers ... ..	3,648	5,036			Do. rejected sleepers ... ..	366	594		
Do. sleeper logs ... ..	2,904	10,479			Do. pieces ... ..	80	240		
Do. slabs ... ..	7,500	7,786			Sugarcane mill rollers ... ..	3	12		
Do. Jaraiti wood ... ..	6	6			SOLD LOCALLY.				
Western Division of Kanara.					Teak logs ... ..	16	244		
Teak logs ... ..	2,207	90,210			Do. poles ... ..	17	104		
Blackwood logs ... ..	11	124			Blackwood logs ... ..	23	244		
Junglewood logs ... ..	3	29			Junglewood logs ... ..	19	196		
Do. sleepers ... ..	3,914	10,619			Do. poles ... ..	34	25		
Do. slabs ... ..	1,970	1,674			Do. pieces ... ..	18	28		
Do. sleeper logs ... ..	214	856			Do. rejected sleepers ... ..	191	382		
Belgaum Division.					RESOLD AT THE PURCHASERS' RISK.				
Teak logs ... ..	6	178			Teak logs ... ..	1,226	28,561		
Do. poles ... ..	104	357			Do. poles ... ..	1,832	7,400		
Blackwood logs ... ..	1	8			Do. Jaraiti wood ... ..	10	15		
Do. poles ... ..	10	25			Do. pieces ... ..	6	47		
Junglewood poles ... ..	117	367			Blackwood logs ... ..	3	231		
Do. sleepers ... ..	5,925	8,892			Do. poles ... ..	16	206		
Do. sleeper logs ... ..	88	450			Junglewood logs ... ..	117	79		
Koldba Division.					Do. poles ... ..	10			
Teak trees ... ..	1,300	4,550			CONVERTED IN DEPOTS.				
Do. pieces ... ..	97	291			Junglewood sleeper logs...	21,380	51,532		
Injaili pieces ... ..	25	75			USED BY THE DEPARTMENT.				
Total, balance ... ..					Teak logs ... ..	99	2,593		
RECEIVED FROM THE FORESTS IN DEPOTS.					Do. poles ... ..	2	7		
Teak logs ... ..	13,882	266,004			Junglewood logs ... ..	105	1,462		
Do. poles ... ..	48,194	192,761			Do. sleeper logs ... ..	19	29		
Do. Jaraiti wood ... ..	1,319	1,253			Do. sleepers ... ..	86	65		
Do. Jaraiti stacks ... ..	185	2,290			Do. slabs ... ..	574	287		
Do. stumps ... ..	85	724			BALANCE AT THE CLOSE OF THE YEAR.				
Do. pieces ... ..	276	824			Northern Division of Kanara.				
Blackwood logs ... ..	1,468	36,550			Teak logs ... ..	10,866	261,284		
Do. poles ... ..	1,060	6,904			Do. poles ... ..	9,301	16,979		
Do. end pieces ... ..	59	282			Do. demarcation boards ... ..	104	104		
Do. Jaraiti stacks ... ..	2	30			Blackwood logs ... ..	1,532	33,877		
Junglewood logs ... ..	3,176	64,775			Do. poles ... ..	120	240		
Do. poles ... ..	9,590	33,677			Do. end pieces ... ..	29	193		
Do. sleeper logs ... ..	33,194	69,463			Junglewood logs ... ..	1,242	25,683		
Do. sleepers ... ..	61,748	116,125			Do. sleepers ... ..	4,607	9,214		
Do. slats ... ..	1,766	1,632			Do. poles ... ..	7	34		
Do. Jaraiti wood ... ..	59	119			Southern Division of Kanara.				
Do. do. stacks ... ..	12	180			Teak logs ... ..	8,374	144,389		
Do. pieces ... ..	57	171			Do. poles ... ..	439	2,000		
Do. rejected sleepers ... ..	1,598	2,397			Do. Jaraiti wood ... ..	96	112		
RECEIVED FROM THE FORESTS AND SOLD LOCALLY.					Blackwood logs ... ..	145	3,115		
Teak logs ... ..	16	244			Do. poles ... ..	7	27		
Do. poles ... ..	17	104			Junglewood logs ... ..	1,475	26,211		
Blackwood logs ... ..	23	244			Do. poles ... ..	90	318		
Junglewood logs ... ..	19	196			Do. sleeper logs ... ..	14,767	28,808		
Do. poles ... ..	34	25			Do. sleepers ... ..	22,974	24,508		
Do. pieces ... ..	18	28			Do. slats ... ..	26,646	18,067		
Do. rejected sleepers ... ..	191	382			Western Division of Kanara.				
RECEIVED BY RESALE AT THE RISK OF THE PURCHASERS.					Teak log ... ..	1	4		
Teak logs ... ..	1,226	28,561			Do. poles ... ..	589	1,472		
Do. Poles ... ..	1,832	7,400			Junglewood sleepers ... ..	8,576	25,663		
Do. Jaraiti wood ... ..	10	15			Belgaum Division.				
Do. pieces ... ..	6	47			Teak logs ... ..	4	146		
Blackwood logs ... ..	3	231			Do. poles ... ..	149	1,340		
Junglewood logs ... ..	117	2,006			Do. pieces ... ..	2	2		
Do. poles ... ..	10	79			Do. Jaraiti pieces ... ..	278	155		
RECEIVED BY CONVERSION IN DEPOTS.					Do. do. stacks ... ..	29	580		
Junglewood sleepers ... ..	53,370	40,435			Blackwood poles ... ..	4	40		
Do. slabs ... ..	22,195	11,097			Do. pieces ... ..	1	2		
Total, Timber ... ..					Junglewood poles ... ..	89	778		
					Do. rejected sleepers ... ..	1,202	1,803		
					Dharwad Division.				
					Teak poles ... ..	370	6,261		
					Blackwood poles ... ..	104	2,458		
					Koldba Division.				
					Teak pieces ... ..	42	126		
					Blackwood pieces ... ..	26	78		
					Injaili pieces ... ..	2	6		
					Total, Timber ... ..				

## FORM No. 59—continued.

Particulars.	No. or Quantity.	Cubic Feet.	TOTAL OF EACH HEAD.		Particulars.	No. or Quantity.	Cubic Feet.	TOTAL OF EACH HEAD.	
			No. or Quantity.	Cubic Feet.				No. or Quantity.	Cubic Feet.
BALANCE AT THE COMMENCEMENT OF THE YEAR.			FIRE WOOD.						
Northern Division of Kánara.					REMOVED BY PURCHASERS FROM DEPÔTS.				
Firewood ... ..		7,270		7,270	Firewood ... ..		3,074,609		3,074,609
Southern Division of Kánara.					SOLD LOCALLY.				
Firewood ... ..		3,222		3,222	Firewood ... ..		44,832		44,832
Belgaum Division.					RESOLD AT THE PURCHASERS' RISK.				
Firewood ... ..		40,758		40,758	Firewood ... ..		24,732		24,732
Dhárwad Division.					WRITTEN OFF.				
Firewood ... ..		21,060		21,060	Firewood ... ..		2,628		2,628
Koldba Division.					BALANCE AT THE CLOSE OF THE YEAR.				
Firewood ... ..		4,590		4,590	Northern Division of Kánara.				
Total, Balance ...				76,900	Firewood ... ..		7,260		7,260
RECEIVED FROM FORESTS IN DEPÔTS.					Western Division of Kánara.				
Firewood ... ..		3,511,570		3,511,570	Firewood ... ..		1,680		1,680
RECEIVED FROM THE FORESTS AND SOLD LOCALLY.					Belgaum Division.				
Firewood ... ..		44,832		44,832	Firewood ... ..		466,395		466,395
RESOLD AT THE PURCHASERS' RISK.					Dhárwad Division.				
Firewood ... ..		24,732		24,732	Firewood ... ..		35,118		35,118
Total, Firewood ...				3,658,034	Koldba Division.				
BALANCE AT THE COMMENCEMENT OF THE YEAR.			BAMBOOS.		Total, Balance ...				511,233
Northern Division of Kánara.					Total, Firewood ...				3,658,034
Bamboos ... ..	2		2		REMOVED BY PURCHASERS FROM DEPÔTS.				
RECEIVED FROM THE FORESTS IN DEPÔTS.					Bamboos ... ..	1,353		1,353	
Bamboos ... ..	2,157		2,157		USED BY THE DEPARTMENT.				
Total, Bamboos ...				2,159	Bamboos ... ..	806		806	
BALANCE AT THE COMMENCEMENT OF THE YEAR.			SANDALWOOD.		Total, Bamboos ...				2,119
Southern Division of Kánara.					REMOVED BY THE PURCHASERS FROM DEPÔTS.				
Sandalwood trees ...	72		*128	0 7 17	Sandalwood trees ...	278		126 17 2	13,774 139 1 2
Do. billets ... ..	51	0 7 17			Do. pieces ... ..	1,872			
Dhárwad Division.					Do. pieces and branches	24	7 1 0		
Sandalwood trees ...	51		91	7 1 0	Do. do. cart-loads ...	5		2,354	
Do. pieces and branches...	24	7 1 0	214	7 8 17	Do. do. head-loads ...	6			
Do. roots ... ..	5				Do. branch-wood, cart-loads	16			
Do. pieces, cart-loads ...	5				Do. do. Stacks ...	37			
Do. do. head-loads ...	6				Do. billets ... ..	11,006			
Total, Balance ...					Do. chips, bags ... ..	68			
RECEIVED FROM FORESTS IN DEPÔTS.					Do. filings do ... ..	7			
Sandalwood trees ...	2,473				Do. Saw-dust do. ...	4			
Do. pieces ... ..	1,692				Do. white-wood bark, carts	45			
Do. do. carts ... ..	10				Do. refused, pieces do.	7			
Do. branch-wood, carts ...	16				Do. stumps ... ..	6			
Do. do. stacks ... ..	37				Do. roots ... ..	389	4 10 0		
Do. stumps ... ..	54				Do. branch-wood, head-loads	4			
Do. branches ... ..	45				Do. Chips, carts ...	54	0 4 0		
Do. branch-wood, head-loads	4				CONVERTED IN DEPÔTS.				
Do. pieces (white) ...	250	8 10 0			Sandalwood trees ...	2,191			
Do. roots ... ..	462	4 19 0			Do. stumps ... ..	45			
RECEIVED BY CONVERSION IN DEPÔTS.					Do. branches ... ..	45			
Sandalwood billets ...	10,955				Do. pieces ... ..	7			
Do. chips, bags ... ..	68				Do. roots ... ..	60			
Do. do. carts ... ..	54				BALANCE AT CLOSE OF THE YEAR.				
Do. filings do. ... ..	7				Southern Division of Kánara.				
Do. saw-dust do. ...	4				Sandalwood trees ...	125			
Do. whitewood bark, cart-loads	45				White Sandalwood pieces	250	8 10 0		
Do. refused, pieces ...	7				Sandalwood pieces carts ...	10		385	3 10 0
Total, Sandalwood ...					Dhárwad Division.				
BALANCE AT THE CLOSE OF THE YEAR.					Sandalwood trees ...	7			
Northern Division of Kánara.					Do. stumps ... ..	3			
Bamboos ... ..	2				Do. pieces ... ..	13			
RECEIVED FROM THE FORESTS IN DEPÔTS.					Do. roots ... ..	12			
Bamboos ... ..	2,157				Total, Sandalwood ...				
Total, Bamboos ...					BALANCE AT THE CLOSE OF THE YEAR.				
BALANCE AT THE COMMENCEMENT OF THE YEAR.					Southern Division of Kánara.				
Sandalwood trees ...	72				Sandalwood trees ...	125			
Do. billets ... ..	51	0 7 17			White Sandalwood pieces	250	8 10 0		
Dhárwad Division.					Sandalwood pieces carts ...	10		385	3 10 0
Sandalwood trees ...	51				Dhárwad Division.				
Do. pieces and branches...	24	7 1 0			Sandalwood trees ...	7			
Do. roots ... ..	5				Do. stumps ... ..	3			
Do. pieces, cart-loads ...	5				Do. pieces ... ..	13			
Do. do. head-loads ...	6				Do. roots ... ..	12			
Total, Balance ...					Total, Sandalwood ...				
RECEIVED FROM FORESTS IN DEPÔTS.					BALANCE AT THE CLOSE OF THE YEAR.				
Sandalwood trees ...	2,473				Southern Division of Kánara.				
Do. pieces ... ..	1,692				Sandalwood trees ...	125			
Do. do. carts ... ..	10				White Sandalwood pieces	250	8 10 0		
Do. branch-wood, carts ...	16				Sandalwood pieces carts ...	10		385	3 10 0
Do. do. stacks ... ..	37				Dhárwad Division.				
Do. stumps ... ..	54				Sandalwood trees ...	7			
Do. branches ... ..	45				Do. stumps ... ..	3			
Do. branch-wood, head-loads	4				Do. pieces ... ..	13			
Do. pieces (white) ...	250	8 10 0			Do. roots ... ..	12			
Do. roots ... ..	462	4 19 0			Total, Sandalwood ...				
RECEIVED BY CONVERSION IN DEPÔTS.					BALANCE AT THE CLOSE OF THE YEAR.				
Sandalwood billets ...	10,955				Southern Division of Kánara.				
Do. chips, bags ... ..	68				Sandalwood trees ...	125			
Do. do. carts ... ..	54				White Sandalwood pieces	250	8 10 0		
Do. filings do. ... ..	7				Sandalwood pieces carts ...	10		385	3 10 0
Do. saw-dust do. ...	4				Dhárwad Division.				
Do. whitewood bark, cart-loads	45				Sandalwood trees ...	7			
Do. refused, pieces ...	7				Do. stumps ... ..	3			
Total, Sandalwood ...					Do. pieces ... ..	13			
BALANCE AT THE CLOSE OF THE YEAR.					Do. roots ... ..	12			
Northern Division of Kánara.					Total, Sandalwood ...				
Bamboos ... ..	2				BALANCE AT THE CLOSE OF THE YEAR.				
RECEIVED FROM THE FORESTS IN DEPÔTS.					Southern Division of Kánara.				
Bamboos ... ..	2,157				Sandalwood trees ...	125			
Total, Bamboos ...					White Sandalwood pieces	250	8 10 0		
BALANCE AT THE COMMENCEMENT OF THE YEAR.					Sandalwood pieces carts ...	10		385	3 10 0
Southern Division of Kánara.					Dhárwad Division.				
Sandalwood trees ...	72				Sandalwood trees ...	7			
Do. billets ... ..	51	0 7 17			Do. stumps ... ..	3			
Dhárwad Division.					Do. pieces ... ..	13			
Sandalwood trees ...	51				Do. roots ... ..	12			
Do. pieces and branches...	24	7 1 0			Total, Sandalwood ...				
Do. roots ... ..	5				BALANCE AT THE CLOSE OF THE YEAR.				
Do. pieces, cart-loads ...	5				Southern Division of Kánara.				
Do. do. head-loads ...	6				Sandalwood trees ...	125			
Total, Balance ...					White Sandalwood pieces	250	8 10 0		
RECEIVED FROM FORESTS IN DEPÔTS.					Sandalwood pieces carts ...	10		385	3 10 0
Sandalwood trees ...	2,473				Dhárwad Division.				
Do. pieces ... ..	1,692				Sandalwood trees ...	7			
Do. do. carts ... ..	10				Do. stumps ... ..	3			
Do. branch-wood, carts ...	16				Do. pieces ... ..	13			
Do. do. stacks ... ..	37				Do. roots ... ..	12			
Do. stumps ... ..	54				Total, Sandalwood ...				
Do. branches ... ..	45				BALANCE AT THE CLOSE OF THE YEAR.				
Do. branch-wood, head-loads	4				Southern Division of Kánara.				
Do. pieces (white) ...	250	8 10 0			Sandalwood trees ...	125			
Do. roots ... ..	462	4 19 0			White Sandalwood pieces	250	8 10 0		
RECEIVED BY CONVERSION IN DEPÔTS.					Sandalwood pieces carts ...	10		385	3 10 0
Sandalwood billets ...	10,955				Dhárwad Division.				
Do. chips, bags ... ..	68				Sandalwood trees ...	7			
Do. do. carts ... ..	54				Do. stumps ... ..	3			
Do. filings do. ... ..	7				Do. pieces ... ..	13			
Do. saw-dust do. ...	4				Do. roots ... ..	12			
Do. whitewood bark, cart-loads	45				Total, Sandalwood ...				
Do. refused, pieces ...	7				BALANCE AT THE CLOSE OF THE YEAR.				
Total, Sandalwood ...					Southern Division of Kánara.				
BALANCE AT THE CLOSE OF THE YEAR.					Sandalwood trees ...	125			
Northern Division of Kánara.					White Sandalwood pieces	250	8 10 0		
Bamboos ... ..	2				Sandalwood pieces carts ...	10		385	3 10 0
RECEIVED FROM THE FORESTS IN DEPÔTS.					Dhárwad Division.				
Bamboos ... ..	2,157				Sandalwood trees ...	7			
Total, Bamboos ...					Do. stumps ... ..	3			
BALANCE AT THE COMMENCEMENT OF THE YEAR.					Do. pieces ... ..	13			
Southern Division of Kánara.					Do. roots ... ..	12			
Sandalwood trees ...	72				Total, Sandalwood ...				
Do. billets ... ..	51	0 7 17			BALANCE AT THE CLOSE OF THE YEAR.				
Dhárwad Division.					Southern Division of Kánara.				
Sandalwood trees ...	51				Sandalwood trees ...	125			
Do. pieces and branches...	24	7 1 0			White Sandalwood pieces	250	8 10 0		
Do. roots ... ..	5				Sandalwood pieces carts ...	10		385	3 10 0
Do. pieces, cart-loads ...	5				Dhárwad Division.				
Do. do. head-loads ...	6				Sandalwood trees ...	7			
Total, Balance ...					Do. stumps ... ..	3			
RECEIVED FROM FORESTS IN DEPÔTS.					Do. pieces ... ..	13			
Sandalwood trees ...	2,473				Do. roots ... ..	12			
Do. pieces ... ..	1,692				Total, Sandalwood ...				
Do. do. carts ... ..	10				BALANCE AT THE CLOSE OF THE YEAR.				
Do. branch-wood, carts ...	16				Southern Division of Kánara.				
Do. do. stacks ... ..	37				Sandalwood trees ...	125			
Do. stumps ... ..	54				White Sandalwood pieces	250	8 10 0		
Do. branches ... ..	45				Sandalwood pieces carts ...	10		385	3 10 0
Do. branch-wood, head-loads	4				Dhárwad Division.				
Do. pieces (white) ...	250	8 10 0			Sandalwood trees ...	7			
Do. roots ... ..	462	4 19 0			Do. stumps ... ..	3			
RECEIVED BY CONVERSION IN DEPÔTS.					Do. pieces ... ..	13			
Sandalwood billets ...	10,955				Do. roots ... ..	12			
Do. chips, bags ... ..	68				Total, Sandalwood ...				
Do. do. carts ... ..	54				BALANCE AT THE CLOSE OF THE YEAR.				
Do. filings do. ... ..	7				Southern Division of Kánara.				
Do. saw-dust do. ...	4				Sandalwood trees ...	125			
Do. whitewood bark, cart-loads	45				White Sandalwood pieces	250	8 10 0		
Do. refused, pieces ...	7				Sandalwood pieces carts ...	10		385	3 10 0
Total, Sandalwood ...					Dhárwad Division.				
BALANCE AT THE CLOSE OF THE YEAR.					Sandalwood trees ...	7			
Northern Division of Kánara.					Do. stumps ... ..	3			
Bamboos ... ..	2				Do. pieces ... ..	13			
RECEIVED FROM THE FORESTS IN DEPÔTS.					Do. roots ... ..	12			
Bamboos ... ..	2,157				Total, Sandalwood ...				
Total, Bamboos ...					BALANCE AT THE CLOSE OF THE YEAR.				
BALANCE AT THE COMMENCEMENT OF THE YEAR.					Southern Division of Kánara.				
Northern Division of Kánara.					Sandalwood trees ...	125			
Bamboos ... ..	2				White Sandalwood pieces	250	8 10 0		
RECEIVED FROM THE FORESTS IN DEPÔTS.					Sandalwood pieces carts ...	10		385	3 10 0
Bamboos ... ..	2,157				Dhárwad Division.				
Total, Bamboos ...					Sandalwood trees ...	7			
BALANCE AT THE COMMENCEMENT OF THE YEAR.					Do. stumps ... ..	3			
Southern Division of Kánara.					Do. pieces ... ..	13			
Sandalwood trees ...	72				Do. roots ... ..	12			
Do. billets ... ..	51	0 7 17			Total, Sandalwood ...				
Dhárwad Division.					BALANCE AT THE CLOSE OF THE YEAR.				
Sandalwood trees ...	51				Southern Division of Kánara.				
Do. pieces and branches...	24	7 1 0			Sandalwood trees ...	125			
Do. roots ... ..	5				White Sandalwood pieces	250	8 10 0		
Do. pieces, cart-loads ...	5				Sandalwood pieces carts ...	10		385	3 10 0
Do. do. head-loads ...	6				Dhárwad Division.				
Total, Balance ...					Sandalwood trees ...	7			
RECEIVED FROM FORESTS IN DEPÔTS.					Do. stumps ... ..	3			
Sandalwood trees ...	2,473				Do. pieces ... ..	13			
Do. pieces ... ..	1,692				Do. roots ... ..	12			
Do. do. carts ... ..	10				Total, Sandalwood ...				
Do. branch-wood, carts ...	16				BALANCE AT THE CLOSE OF THE YEAR.				
Do. do. stacks ... ..	37				Southern Division of Kánara.				
Do. stumps ... ..	54				Sandalwood trees ...	125			
Do. branches ... ..	45				White Sandalwood pieces	250	8 10 0		
Do. branch-wood, head-loads	4				Sandalwood pieces carts ...	10		385	3 10 0
Do. pieces (white) ...	250	8 10 0			Dhárwad Division.				
Do. roots ... ..	462	4 19							

STATEMENT No. 59—concluded,

Particulars.	No. or Quantity.	Cubic Feet.	TOTAL OF EACH HEAD.		Particulars.	No. or Quantity.	Cubic Feet.	TOTAL EACH HEAD.	
			No. or Quantity.	Cubic Feet.				No. or Quantity.	Cubic Feet.
BALANCE AT THE COMMENCEMENT OF THE YEAR.			MINOR FOREST PRODUCE.		REMOVED BY PURCHASERS FROM DEPÔTS.				
Northern Division of Kânara.					Divi-Divi pods ... .. 3 22 26½				
Hardas, baskets ... .. 3½			3½*		Hardas ... .. 5,867 19 23				
Southern Division of Kânara.					Cassia bark... .. 342 8 6				
Hardas ... .. 12 6 3					Cane box ... .. 1				
Shigekai ... .. 0 18 0					Karvi, head-loads ... .. 13				
Western Division of Kânara.					Ain bark ... .. 4				
Hardas ... .. 0 9 14					Pandri sticks ... .. 5				
Divi-Divi pods ... .. 3 13 10					Wooden pot ... .. 1				
Shigekai ... .. 43 6 0					Ragi... .. 0 1 4½				
Received from Forests in Depôts.					Shigekai ... .. 49 5 8½				
Hardas ... .. 5,863 19 15½					Grass, bundles ... .. 4,415			4,414 6,263 17 12½	
Do. boxes ... .. 32					SOLD LOCALLY.				
Cassia bark ... .. 471 5 16					Soppu, head-loads... .. 60				
Divi-Divi pods ... .. 3 8 17					Hardas ... .. 1 1 0			60 1 1 0	
Karvi, head-loads ... .. 18					WRITTEN OFF.				
Ain bark ... .. 4					Divi-Divi pods ... .. 0 2 15½				
Cane box ... .. 1					Shigekai ... .. 6 3 12				
Pandri sticks ... .. 5					USED BY THE DEPARTMENT.				
Wooden pot ... .. 1					Divi-Divi pods ... .. 0 0 20				
Ragi ... .. 0 1 4½					Grass bundles ... .. 13,725				
Shigekai ... .. 25 8 22½					Hardas ... .. 0 6 23½			13,725 0 7 15½	
Grass, bundles ... .. 18,140					BALANCE AT THE CLOSE OF THE YEAR.				
Received from the Forests and sold locally.					Northern Division of Kânara.				
Soppu, head-loads ... .. 60					Harda, boxes ... .. 35½				
Hardas ... .. 1 1 0					Southern Division of Kânara.				
Total, Minor Forest Produce ... .. 18,264½ 6,425 7 18½					Hardas ... .. 7 21 14				
					Shigekai ... .. 11 2 3			18 23 17	
					Western Division of Kânara.				
					Hardas ... .. 0 10 0				
					Shigekai ... .. 3 1 27				
					Divi-Divi pods ... .. 2 20 21			6 7 20	
					Belgaum Division.				
					Hardas ... .. 0 2 0			0 2 0	
					Bijâpur Division.				
					Cassia bark... .. 128 17 10			128 17 10	
					Total Minor Forest Produce ... .. 18,264½ 6,425 7 18½				
BALANCE AT THE COMMENCEMENT OF THE YEAR.			DRIFT AND WAIF WOOD AND CONFISCATED FOREST PRODUCE.		REMOVED BY PURCHASERS FROM DEPÔTS.				
†Western Division of Kânara.					Timber ... .. 1,259 54				
Timber ... .. 48 54					Fuel... .. 4,348				
Fuel, loads ... .. 40					Do. cartload ... .. 1				
Do. cart ... .. 1					Charcoal, maunds... .. 8				
Received in Depôts.					Bamboos ... .. 1,214				
Timber ... .. 1,430					Do. pegs ... .. 200				
Fuel ... .. 4,360					Do. mats ... .. 2				
Charcoal, maunds ... .. 8					Thin Bamboos, head-loads ... .. 5				
Bamboos ... .. 1,214					Fencing stakes ... .. 5				
Do. pegs ... .. 200					Thorns ... .. 4				
Do. mats ... .. 2					Leaves ... .. 1				
Thin bamboos, head-loads ... .. 5					Hardas, seers... .. 12				
Fencing stakes ... .. 5					Grass, headloads ... .. 5				
Thorns ... .. 4					Paddy, shiddies ... .. 4				
Leaves ... .. 1					Sandalwood, pieces ... .. 32				
Hardas, seers... .. 12					BALANCE AT THE CLOSE OF THE YEAR.				
Grass, head-loads ... .. 5					Western Division of Kânara.				
Paddy, Shiddies ... .. 4					Timber ... .. 224				
Sandalwood, pieces... .. 34					Fuel, headloads ... .. 49			49 224	
					Dharwad Division.				
					Timber ... .. 4				
					Fuel ... .. 12				
					Sandalwood, pieces ... .. 2			2 16	
					Total Balance ... .. 51			240	
Total Drift and Waif wood and Confiscated Forest produce ... .. 1,520 5,871 54					Total, Drift and Waif wood and Confiscated Forest produce ... .. 1,520 5,871 54				

\* The difference between these figures and those given in the return for 1895-96 is due to the territorial changes sanctioned in Government Resolution No. 10330 of 17th December 1896.

† Old Southern Division of Kánara.

*Camp Sutkatti, Belgaum District,  
18th December 1897.*

W. G. BETHAM,  
Acting Conservator of Forests, S. C.

## FORM No. 60.

## FOREST DEPARTMENT, BOMBAY, SOUTHERN CIRCLE.

Abstract showing the Value of Timber and other Produce at Sale Depôts for the year 1896-97.

Description of Timber and other Produce.	ON HAND AT COMMENCEMENT OF THE YEAR.			ON HAND AT CLOSE OF THE YEAR.			DIFFERENCE IN VALUE.		REMARKS.
	Number.	Cubic feet.	Value.	Number.	Cubic feet.	Value.	In favour of the year.	Against the year.	
TIMBER.									
Northern Division of Kánara.									
Teak logs ... ..	7,862	223,139	3,34,710	10,866	261,284	3,91,926	57,216	...	
Do. poles ... ..	4	176	4	9,301	16,979	9,301	9,297	...	
Demarcation-boards ... ..	104	104	52	104	104	59	...	...	
Blackwood logs ... ..	1,475	30,021	30,021	1,532	33,277	33,277	3,256	...	
Do. end pieces ... ..	27	187	7	29	193	8	1	...	
Do. poles ... ..	...	...	...	120	240	60	60	...	
Junglewood logs ... ..	1,230	36,599	36,599	1,242	35,063	35,062	...	1,537	
Do. sleepers ... ..	543	1,126	1,086	4,607	9,214	9,214	8,128	...	
Do. slabs ... ..	2	4	1	...	...	...	...	1	
Do. poles ... ..	7	34	5	7	34	5	...	...	
Sugarcane mill-rollers ... ..	3	12	2	...	...	...	...	2	
Total ... ..	...	.....	*4,02,487	...	...	4,78,905	76,418	...	
Southern Division of Kánara.									
Logs ... ..	5,328	90,353	90,350	9,994	173,715	1,73,710	83,360	...	
Teak poles ... ..	1,474	6,375	2,000	439	2,100	700	...	1,300	
Do. slabs ... ..	6,175	5,162	150	...	...	...	...	150	
Teak Jeraiti wood ... ..	439	880	298	96	112	35	...	263	
Blackwood poles ... ..	14	46	40	7	27	20	...	20	
Junglewood poles ... ..	52	311	100	99	318	100	...	...	
Do. sleepers ... ..	3,648	5,036	15,200	22,974	24,508	35,000	19,800	...	
Do. sleeper logs ... ..	2,904	10,479	8,380	14,767	28,808	25,000	16,620	...	
Do. slabs ... ..	7,500	7,796	370	26,646	18,057	950	500	...	
Do. Jeraiti wood ... ..	6	6	2	...	...	...	...	2	
Total ... ..	...	.....	*1,16,890	...	...	2,35,615	1,18,625	...	
Western Division of Kánara.									
Teak logs ... ..	2,207	90,210	1,35,313	1	4	3	...	1,35,310	
Do. poles ... ..	...	.....	...	589	1,472	50	50	...	
Blackwood logs ... ..	11	124	124	...	...	...	...	124	
Junglewood do. ... ..	3	29	20	...	...	...	...	20	
Do. sleepers ... ..	3,914	10,619	5,830	8,576	25,663	39,128	33,298	...	
Do. slabs ... ..	1,970	1,674	100	...	...	...	...	100	
Do. sleeper logs ... ..	214	856	620	...	...	...	...	620	
Total ... ..	...	.....	1,42,007	...	...	39,181	...	1,02,826	
Belgaum Division.									
Teak logs ... ..	6	178	120	4	146	60	...	60	
Do. poles ... ..	104	357	100	149	1,340	200	100	...	
Do. pieces ... ..	...	...	...	2	2	1	1	...	
Blackwood log ... ..	1	8	5	...	...	...	...	5	
Do. piece ... ..	...	...	...	1	2	1	1	...	
Do. poles ... ..	10	25	8	4	40	1	...	7	
Junglewood poles ... ..	117	367	100	89	778	50	...	50	
Do. sleepers ... ..	5,928	8,892	11,856	...	...	...	...	11,856	
Do. sleeper logs ... ..	88	450	88	...	...	...	...	88	
Do. rejected sleepers ... ..	...	...	...	1,202	1,803	574	574	...	
Teak Jeraiti pieces ... ..	...	...	...	278	155	49	49	...	
Do. stacks ... ..	...	...	...	29	580	50	50	...	
Total ... ..	...	.....	12,277	...	...	986	...	11,291	
Dhárwad Division.									
Teak poles ... ..	...	.....	...	370	6,262	7,745	7,745	...	
Blackwood poles ... ..	...	.....	...	104	2,458	1,280	1,280	...	
Total ... ..	...	.....	...	...	...	9,025	9,025	...	
Koldba Division.									
Teak pieces ... ..	97	291	10	42	156	8	...	2	
Do. trees ... ..	1,300	4,550	420	...	...	...	...	420	
Junglewood pieces ... ..	25	75	3	2	6	1	...	2	
Blackwood pieces ... ..	...	.....	...	26	78	10	10	...	
Total ... ..	...	.....	433	...	...	19	...	414	
Total Timber ... ..	...	.....	6,74,094	...	...	7,63,631	89,537	...	
* The difference between these figures and those given in the return for 1895-96, is due to the territorial changes sanctioned in Government Resolution No. 10330 of 17th December 1896.									

\* The difference between these figures and those given in the return for 1895-96, is due to the territorial changes sanctioned in Government Resolution No. 10330 of 17th December 1896.

## FORM No. 60—continued.

Description of Timber and other Produce.	ON HAND AT COMMENCEMENT OF THE YEAR.			ON HAND AT CLOSE OF THE YEAR.			DIFFERENCE IN VALUE.		REMARKS.
	Number.	Cubic feet.	Value.	Number.	Cubic feet.	Value.	In favour of the year.	Against the year.	
<b>FIREWOOD.</b>			Rs.			Rs.	Rs.	Rs.	
<i>Northern Division of Kdnara.</i>									
Firewood ... ..	...	7,270	440	...	7,260	440	...	...	
<i>Southern Division of Kdnara.</i>									
Firewood ... ..	...	3,222	179	...	...	...	...	179	
<i>Western Division of Kdnara.</i>									
Firewood ... ..	...	.....	...	...	1,620	33	33	...	
<i>Belgaum Division.</i>									
Firewood ... ..	...	40,758	1,814	...	466,395	32,490	30,676	...	
<i>Dhadrwdr Division.</i>									
Firewood ... ..	...	21,060	1,382	...	35,118	2,374	992	...	
<i>Koldba Division.</i>									
Firewood ... ..	...	4,590	35	...	780	7	...	28	
Total, Firewood ...	...	.....	3,850	...	...	35,314	31,494	...	
<b>BAMBOOS.</b>									
<i>Northern Division of Kdnara.</i>									
Bamboos ... ..	2	.....	1	...	...	...	...	1	
<b>SANDALWOOD.</b>									
<i>Southern Division of Kdnara.</i>									
Sandalwood billets ... ..	51	0 7 17	4	...	...	...	...	4	
Sandalwood trees ... ..	72	.....	20	125	...	35	15	...	
Do. white pieces... ..	...	.....	...	250	3 10 0	200	200	...	
Miscellaneous pieces, carts	...	.....	...	10	...	40	40	...	
Total ... ..	...	.....	24*	...	...	275	251	...	
<i>Dhadrwdr Division.</i>									
Sandalwood trees ... ..	51	.....	204	7	...	15	...	189	
Do. pieces, roots, branches and stumps ... ..	40	7 1 0	50	28	...	20	...	80	
Total ... ..	...	.....	254	...	...	35	...	219	
Total, Sandalwood ..	...	.....	278	...	...	310	32	...	
<b>MINOR FOREST PRODUCE.</b>									
<i>Northern Division of Kdnara.</i>									
Hardas, baskets ... ..	3½	...	*2	35½	...	24	22	...	
<i>Southern Division of Kdnara.</i>									
Hardas ... ..	...	12 6 3	132	...	7 21 14	80	...	52	
Shikekál ... ..	...	0 18 0	20	...	11 2 3	120	100	...	
Total ... ..	...	.....	*152	...	...	200	48	...	
<i>Western Division of Kdnara.</i>									
Hardas ... ..	...	0 9 14	5	...	0 10 0	5	...	...	
Shikekál ... ..	...	48 6 0	1,124	...	8 1 27	78	...	1,046	
Divi-Divi pods ... ..	...	3 13 10	60	...	2 20 21	70	10	...	
Total ... ..	...	.....	*1,189	...	...	153	...	1,036	

\* The difference between these figures and those given in the return for 1895-96, is due to the territorial changes sanctioned in Government Resolution No. 10330 of 17th December 1896.

FORM No. 60—continued.

Description of Timber and other Produce.	ON HAND AT COMMENCEMENT OF THE YEAR.			ON HAND AT CLOSE OF THE YEAR.			DIFFERENCE IN VALUE.		REMARKS.
	Number.	Cubic feet.	Value.	Number.	Cubic feet.	Value.	In favour of the year.	Against the year.	
MINOR FOREST PRODUCE— continued.			Rs.			Rs.	Rs.	Rs.	
Belgaum Division.									
Hardas ... ..	...	.....	...	...	0 2 0	1	1	...	
Bijapur Division.									
Cassia bark ... ..	...	.....	...	...	128 17 20	1,007	1,007	...	
Total, Minor Forest Produce ...	...	.....	1,343	...	...	1,385	42	...	
DRIFT AND WAIF WOOD, AND CONFISCATED FOREST PRODUCE.									
+ Western Division of Kanara.									† Old Southern Division of Kanara.
Timber ... ..	...	43·54	10	...	224	35	25	...	
Fuel, head-loads ... ..	40	.....	1	49	...	2	1	...	
„ cart ... ..	1	.....	...	...	...	...	...	...	
Total ...	...	.....	11	...	...	37	26	...	
Dharwad Division.									
Sandalwood pieces ... ..	...	.....	...	2	...	5	5	...	
Timber ... ..	...	.....	...	...	4				
Firewood ... ..	...	.....	...	...	12				
Total ...	...	.....	...	...	...	5	5	...	
Total Drift and Waif Wood, and Confiscated, Forest Produce ... ..	...	.....	11	...	...	42	31	...	
Grand Total ...	...	.....	6,79,577	...	...	8,00,712	1,21,135	...	

Net difference in favour of the year Rs. 1,21,135.

Camp Sutkatti, Belgaum District, }  
18th December 1897.

W. G. BETHAM,  
Acting Conservator of Forests, Southern Circle.

## FORM No. 60A.

## FOREST DEPARTMENT, BOMBAY—SOUTHERN CIRCLE.

Abstract showing the Value of Live and Dead Stock for the year 1896-97.

Description.	ON HAND AT COMMENCEMENT OF THE YEAR.		ON HAND AT CLOSE OF THE YEAR.		DIFFERENCE IN VALUE.		REMARKS.	
	Number.	Value.	Number.	Value.	In favour of the year.	Against the year.		
		Rs.		Rs.	Rs.	Rs.		
<i>Direction.</i>								
Office tents ...	2	902	2	900	450	452	The old tent was sold.	
Tent (small) ...	1	215	1	215	...	...		
Tools, Plant and Office furniture...	...	639	...	648	9	...		
Total ...	...	1,756	...	1,763	459	452		
<i>Northern Division, Kánara.</i>								
Forest Bungalow at Haliyál ...	1	2,700	1	2,700	...	...	*The difference between these and the figures given in the return for 1895-96, is due to the territorial changes sanctioned in Government Resolution No. 10330 of 17th December 1896.	
Range Forest Office at Haliyál ..	1	900	1	900	...	...		
Divisional Forest Office at Haliyál.	1	350	1	350	...	...		
Forest Nákás ...	12	3,824	12	3,824	...	...		
Office tent ...	1	433	1	433	...	...		
Tools, Plant and Office furniture...	...	3,219	...	3,760	541	...		
Total ...	...	*11,426	...	11,967	541	...		
<i>Southern Division, Kánara.</i>								
Forest Bungalows at Yellápur ...	2	3,050	2	3,050	...	...		} The carts and bullocks were sold.
Workshop at Yellápur ...	1	114	...	...	...	114		
Rest-house at Kolikeri ...	1	908	1	908	...	...		
Do. at Bilki ...	1	300	1	300	...	...		
Old Range Office at Yellápur ...	1	250	1	250	...	...		
Divisional Forest Office at Sirsi ...	1	1,717	1	1,717	...	...		
Depôt-house at Sirsi ...	1	1,219	1	1,219	...	...		
Range Forest Office at Shiddápur .	...	...	1	1,019	1,019	...		
Saw-mill shed at Itenbail ...	...	...	1	1,067	1,067	...		
Temporary depôt-houses ...	...	...	12	400	400	...		
Do. huts for Saw-mill workmen.	...	...	24	503	503	...		
Forest Náká houses ...	31	9,253	31	9,253	...	...		
Carts ...	3	105	...	...	...	105		
Bullocks ...	2	53	...	...	...	53		
Office tent ...	1	350	2	783	433	...		
Tools, Plant and Office furniture...	...	7,343	...	16,329	8,986	...		
Total ...	...	*24,662	...	36,798	12,408	272		
<i>Western Division, Kánara.</i>								
Forest Bungalow at Kadrá ...	1	8,100	1	8,100	...	...	The house was dismantled and the materials sold.	
Kodibág depôt-house ...	1	4,960	1	4,960	...	...		
Range Forest Office at Ankola ...	1	300	1	300	...	...		
Rest-house at Rámanguli ...	1	150	...	...	...	150		
Range Forest Office at Honáwar ..	1	871	1	871	...	...		
Forest Náká-houses ...	12	3,650	12	3,650	...	...		
Office tent ...	1	350	2	783	433	...		
Tools, Plant and Office furniture...	...	3,032	...	3,084	52	...		
Total ...	...	*21,413	...	21,748	485	150		



## FORM No. 60A—continued.

Description.	ON HAND AT COMMENCEMENT OF THE YEAR.		ON HAND AT CLOSE OF THE YEAR.		DIFFERENCE IN VALUE.		REMARKS.
	Number.	Value.	Number.	Value.	In favour of the year.	Against the year.	
<i>Belgaum Division.</i>		Rs.		Rs.	Rs.	Rs.	
Rest-house ... ..	1	2,500	1	2,500	...	...	One Náká-house was sold.
Forest Nákás ... ..	12	5,789	11	5,481	...	300	
Office tent ... ..	1	350	1	350	...	...	Unserviceable articles valued at Rs. 6 were sold and written off during the year.
Tools, Plant and Office furniture...	...	4,205	...	4,306	101	...	
Total ... ..	...	12,844	...	12,645	101	300	
<i>Dhárwár Division.</i>							
Rest-house ... ..	1	800	1	800	...	...	
Watch-houses ... ..	9	2,700	9	2,700	...	...	
Depôt-house at Hubli ... ..	1	999	1	999	...	...	
Office tent ... ..	1	350	1	350	...	...	
Tools, Plant and Office furniture...	...	3,630	...	4,314	684	...	
Total ... ..	...	8,479	...	9,163	684	...	
<i>Bijápur Division.</i>							
Office tent ... ..	1	310	1	310	...	...	
Tools, Plant and Office furniture...	...	1,000	...	1,298	298	...	
Total ... ..	...	1,310	...	1,608	298	...	
<i>Kolábá Division.</i>							
Swiss-cottāgē tent ... ..	1	380	1	380	...	...	
Rowti ... ..	1	130	1	130	...	...	
Forest boat with fittings ... ..	1	300	1	300	...	...	
Tools, Plant and Office furniture...	...	3,659	...	3,792	133	...	
Total ... ..	...	4,469	...	4,602	133	...	
<i>Ratnágiri Division.</i>							
Tools, Plant and Office furniture ...	...	799	...	798	...	1	
<i>Working Plans Division.</i>							
Tents ... ..	5	1,184	5	1,034	130	280	The old tent was sold.
Tools, Plant and Office furniture...	...	3,280	...	3,335	55	...	
Total ... ..	...	4,464	...	4,369	185	280	
Grand Total ... ..	...	91,622	...	1,05,461	15,294	1,455	

## FORM No. 61.

## FOREST DEPARTMENT, BOMBAY—SOUTHERN CIRCLE.

## Summary of Revenue and Expenditure of the different Divisions for the Forest year 1896-97 (July 1896 to June 1897.)

Budget Heads.	Direction.	Kánara, Northern Division.	Kánara, Southern Division.	Kánara, Western Division.	Belgaum Division.	Kolába Division.	Dhárwár Division.	Ratnágiri Division.	Bijápur Division.	Forest Survey Expenditure for the Forest year added as instructed by the Superin- tendent, Forest Survey.	Total Forest year 1896-97.
REVENUE.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
<b>I.—Timber and other Produce removed from the Forests by Government Agency—</b>											
a. Timber ... ..	.....	4,01,891 12 7	1,09,176 9 10	7,792 0 6	1,15,073 9 2	233 12 6	61,478 13 7	.....	.....	.....	6,98,596 10 2
b. Firewood and charcoal ... ..	.....	16,951 4 1	951 2 6	2,371 0 0	2,18,485 4 7	33 2 9	14,954 15 0	.....	.....	.....	2,52,746 12 11
c. Bamboos ... ..	.....	.....	.....	.....	22 4 0	.....	.....	.....	.....	.....	22 4 0
d. Sa. dalwood ... ..	.....	.....	35 2 0	4,482 13 10	2,003 0 0	.....	7,276 9 1	.....	46 8 0	.....	13,753 15 11
e. Grass and other minor produce ... ..	.....	10,493 10 2	23,111 3 1	2,101 2 9	37, 35 14 6	.....	77 0 0	.....	3,861 4 1	.....	76,880 2 7
Total—I ... ..	.....	4,28,336 10 10	1,33,274 1 5	16,747 0 1	3,72,823 0 3	266 15 3	86,737 5 8	.....	3,814 12 1	.....	10,41,999 13 7
<b>II.—Timber and other Produce removed from the Forests by Consumers or Purchasers—</b>											
a. Timber ... ..	.....	9,291 13 2	13,543 11 9	35,657 4 4	2,863 5 9	1,06,539 4 5	1,711 10 0	1470 2 3	979 3 0	.....	1,71,966 6 8
b. Firewood and charcoal ... ..	.....	16,563 9 1	7,343 14 9	12,959 11 2	4,675 6 3	2,897 7 6	918 15 1	862 4 10	3,995 6 3	.....	52,216 10 11
c. Bamboos ... ..	.....	25,611 10 5	11,430 12 0	1,341 1 0	7,763 15 1	.....	6,404 8 0	.....	123 0 0	.....	52,724 15 1
d. Grazing and fodder grass ... ..	.....	6,060 12 3	9,485 3 3	5,595 5 3	20,683 5 6	5,748 3 6	26,247 3 6	112 10 0	5,333 15 5	.....	79,066 10 8
e. Other minor produce ... ..	.....	1,667 7 11	2,380 10 2	9,100 13 2	3,068 3 10	1,513 2 3	2,169 2 11	4 3 10	2,629 0 10	.....	22,632 12 11
f. Commutation fees ... ..	.....	.....	94 11 3	.....	.....	.....	.....	.....	.....	.....	94 11 3
Total—II ... ..	.....	61,245 4 10	44,377 15 2	64,654 2 11	39,054 5 0	1,16,698 1 8	37,451 7 6	2,399 4 11	12,820 9 6	.....	3,78,702 3 6
<b>III.—Drift and Waif Wood and Confiscated Forest Produce ... ..</b>	.....	59 2 10	240 2 6	554 11 9	169 7 9	743 12 4	324 3 1	2 12 9	30 9 10	.....	2,124 14 10
Total—III ... ..	.....	59 2 10	240 2 6	554 11 9	169 7 9	743 12 4	324 3 1	2 12 9	30 9 10	.....	2,124 14 10
<b>IV.—Revenue from Forest not managed by Gov- ernment—</b>											
a. Duty on foreign timber and other Forest produce ... ..	.....	.....	.....	.....	.....	35 2 11	.....	30 6 2	.....	.....	65 9 1
b. Revenue from shared and private Forests. .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total—IV ... ..	.....	.....	.....	.....	.....	35 2 11	.....	30 6 2	.....	.....	65 9 1
<b>V.—Miscellaneous—</b>											
a. Fines and forfeitures ... ..	.....	10 0 0	208 0 0	4 0 0	.....	740 13 6	.....	.....	.....	.....	962 13 6
b. Refunds ... ..	22 2 10	17 6 8	123 8 3	14 12 6	4 7 0	103 6 10	0 0 1	.....	31 8 0	.....	317 3 2
c. Other sources ... ..	386 3 11	312 14 7	412 5 3	1,063 5 1	11,846 12 4	2,117 14 11	308 15 7	53 11 2	122 15 9	.....	16,625 3 0
Total—V ... ..	408 6 9	340 5 3	743 13 6	1,082 1 7	11,851 3 9	2,962 2 3	308 15 8	53 11 2	154 7 9	.....	17,905 3 8
<b>Grand Total Revenue ... ..</b>	408 6 9	4,89,981 7 9	1,78,637 0 7	83,038 0 4	4,23,898 0 9	1,20,706 2 5	1,21,821 15 11	2,486 3 0	16,820 7 2	.....	14,40,797 12 8

## EXPENDITURE.

## A.—CONSERVANCY AND WORKS.

I.—Timber and other Produce removed from the  
Forests by Government Agency—

a. Timber ... ..	1,21,052 13 0	92,623 14 2	3,867 9 5	50,054 9 10	136 7 9	5,196 8 6	.....	.....	.....	2,729,31 14 5
b. Firewood and charcoal ... ..	8,842 0 1	421 13 8	310 4 0	69,825 1 4	0 10 0	4,469 7 0	.....	.....	.....	83,869 4 1
c. Bamboos ... ..	.....	.....	8 13 0	9 12 0	.....	.....	.....	.....	.....	18 9 0
d. Sandalwood ... ..	197 6 0	563 14 6	10 0 4	180 14 0	.....	745 9 2	.....	.....	.....	1,794 12 0
e. Grass and other minor produce...	3,892 14 8	15,920 5 10	3,072 0 6	10,415 15 9	.....	15 1 5	.....	4,154 13 7	.....	37,511 3 9

Total, A—I ... ..	1,33,985 1 9	1,09,533 0 2	7,362 11 3	1,30,516 4 11	137 1 9	10,436 10 1	.....	4,154 13 7	.....	3,96,125 11 6
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II.—Timber and other Produce removed from the  
Forests by Consumers or Purchasers ... ..

.....	508 2 8	851 3 11	1,145 14 5	1,284 14 6	5,543 11 1	1,623 8 8	161 0 11	336 10 3	.....	11,455 2 5
Total, A—II ... ..	503 2 8	851 3 11	1,145 14 5	1,284 14 6	5,543 11 1	1,623 8 8	161 0 11	336 10 3	.....	11,455 2 5

III.—Drift and Waif Wood and Confiscated  
Forest Produce ... ..

.....	1 9 2	7 8 0	12 11 4	3 3 6	45 15 4	21 7 0	.....	3 8 0	.....	95 14 4
Total, A—III ... ..	1 9 2	7 8 0	12 11 4	3 3 6	45 15 4	21 7 0	.....	3 8 0	.....	95 4 4

IV.—Revenue from Forests not managed by  
Government—

- a. Duty on foreign timber and other forest  
produce ... ..
- b. Revenue from shared and private forests

.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total, A—IV ... ..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

V.—Rent of leased Forests and Payments to  
Share-holders in Forests Managed by Gov-  
ernment ... ..

.....	.....	.....	.....	.....	19,520 2 10	.....	.....	.....	.....	19,520 2 10
Total, A—V ... ..	.....	.....	.....	.....	19,520 2 10	.....	.....	.....	.....	19,520 2 10

## VI.—Live Stock, Stores, Tools and Plant—

- a. Purchase of cattle ... ..
- b. Feed and keep of cattle ... ..
- c. Purchase of stores, tools and plant ...

.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
458 6 0	1,135 2 0	1,246 14 6	545 6 0	96 8 0	138 11 0	293 3 6	8 0 0	116 5 9	.....	4,039 12 9
Total, A—VI ... ..	1,135 2 0	1,248 2 6	545 6 0	96 8 0	138 11 0	293 3 6	8 0 0	116 5 9	.....	4,039 12 9

## VII.—Communications and Buildings—

- a. Roads and bridges ... ..
- b. Buildings ... ..
- c. Other works ... ..

.....	2,996 9 10	3,637 6 9	52 3 6	1,731 1 9	38 14 0	.....	.....	.....	.....	8,456 3 10
.....	8,063 15 5	2,193 2 5	1,294 5 9	137 6 2	249 15 9	210 0 11	16 11 0	.....	.....	12,970 9 5
.....	546 12 0	2,236 1 6	343 9 0	5 0 0	.....	6 0 0	.....	.....	.....	3,137 6 6
Total, A—VII ... ..	11,612 5 3	8,766 10 8	1,690 2 3	1,873 7 11	588 13 9	216 0 11	16 11 0	.....	.....	24,564 3 9

Budget Heads.	Direction.	Kánara Northern Division.	Kánara Southern Division.	Kánara Western Division.	Belgaum Division.	Kolába Division.	Dhárwár Division.	Ratnágiri Division.	Bijápúr Division.	Forest Survey Expenditure for Forest year added as instructed by the Superin- tendent, Forest Surveys.	Total Forest year 1896-97.
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
<b>EXPENDITURE—continued.</b>											
<b>A.—CONSERVANCY AND WORKS—continued.</b>											
<b>VIII.—Organization, Improvement, and Extension of Forests—</b>											
a. Demarcation ...	.....	256 15 6	4,303 12 11	1,317 11 11	646 14 9	63 4 6	1 2 0	38 9 0	3,209 11 10	.....	9,838 2 5
b. Cost of Settlements; compensation for land and rights ...	.....	655 0 0	1,970 8 2	3,417 8 7	.....	7 6 0	5,615 2 9	.....	.....	.....	11,675 9 6
c. Surveys ...	.....	.....	11,403 4 11	.....	.....	864 2 1	1,647 9 4	.....	.....	+39,730 12 7	13,915 0 4
d. Working-plans ...	.....	380 14 6	776 2 6	234 0 0	49 0 0	309 14 3	.....	55 10 0	.....	.....	1,805 9 3
e. Sowing and planting ...	.....	10,515 11 0	4,528 13 9	2,203 1 6	2,780 3 0	758 14 3	992 4 6	17 8 9	171 15 4	.....	21,968 3 1
f. Protection from fire ...	.....	8 10 0	321 3 9	216 12 0	1 8 0	157 6 2	156 6 11	46 13 3	126 8 0	.....	1,035 4 1
g. Other works ...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total, A—VIII ...	.....	11,827 3 0	23,303 14 0	7,389 2 0	3,477 9 9	2,160 15 3	8,412 9 6	158 4 0	3,508 3 2	+39,730 12 7	60,237 12 8
<b>IX.—Miscellaneous—</b>											
a. Law charges ...	29 5 8	1,706 12 5	2,287 2 6	1,392 0 6	1,865 6 5	16 15 0 4,175 10 4	649 0 10	219 13 5	1,347 2 10	.....	16 15 0 13,672 6 11
b. Other charges ...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total, A—IX ...	29 5 8	1,706 12 5	2,287 2 6	1,392 0 6	1,865 6 5	4,192 9 4	649 0 10	219 13 5	1,347 2 10	.....	13,689 5 11
Total A.—CONSERVANCY AND WORKS ...	487 11 8	1,60,776 4 3	1,45,997 9 9	19,537 15 9	1,39,117 7 0	32,128 0 4	21,652 8 6	563 18 4	9,466 11 7	+39,730 12 7	5,29,728 2 2 +39,730 12 7
<b>B.—ESTABLISHMENTS.</b>											
<b>I.—Salaries—</b>											
a. Conservators ...	13,001 9 9	.....	.....	.....	.....	.....	.....	.....	.....	.....	13,001 9 9
b. Superior Officers ...	5,369 15 10	12,601 9 11	25,689 1 1	7,946 10 0	9,560 0 0	8,100 0 0	12,214 4 8	.....	7,130 12 1	.....	88,612 5 7
c. Subordinate Forest and Depot Establishments ...	.....	18,831 14 7	15,464 4 7	11,868 8 11	22,098 10 11	27,019 8 3	15,151 11 10	2,776 12 10	6,736 14 9	.....	1,19,948 6 8
d. Office Establishments ...	6,587 5 4	3,775 5 8	4,074 2 3	2,331 12 5	2,313 2 7	2,955 3 9	2,099 7 8	302 1 0	914 9 3	.....	25,353 1 11
e. Deputation and Special Allowances ...	300 0 0	.....	278 4 9	.....	.....	.....	80 0 0	.....	.....	.....	658 4 9
f. Exchange Compensation Allowances—	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1. Conservators ...	1,646 0 8	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,646 0 8
2. Deputy Conservators ...	263 15 9	783 0 6	1,039 5 9	952 5 5	1,043 12 7	660 1 11	1,321 1 6	.....	781 0 11	.....	6,844 12 4
3. Assistant Conservators...	.....	525 5 2	1,314 12 4	.....	.....	.....	.....	.....	.....	.....	1,840 1 6
4. Extra Assistant Conservators ...	.....	.....	.....	.....	.....	385 8 9	.....	.....	.....	.....	385 8 9
5. Range Forest Officer ...	.....	1 5 3	.....	.....	.....	.....	.....	.....	.....	.....	1 5 3
Total, B—I ...	27,168 15 4	36,518 9 1	47,859 14 9	23,099 4 9	35,015 10 1	39,120 6 8	30,866 9 8	3,078 13 10	15,563 5 0	.....	2,58,291 9 2

## EXPENDITURE.

## A.—CONSERVANCY AND WORKS.

I.—Timber and other Produce removed from the  
Forests by Government Agency—

a. Timber ... ..	1,21,052 13 0	92,623 14 2	3,867 9 5	50,054 9 10	136 7 9	5,196 8 6	.....	.....	.....	2,729,31 14 8
b. Firewood and charcoal ... ..	8,842 0 1	421 13 8	310 4 0	69,825 1 4	0 10 0	4,469 7 0	.....	.....	.....	83,869 4 1
c. Bamboos ... ..	.....	.....	8 13 0	9 12 0	.....	.....	.....	.....	.....	18 9 0
d. Sandalwood ... ..	197 6 0	563 14 6	10 1 0	180 11 0	.....	745 9 2	.....	.....	.....	1,794 12 0
e. Grass and other minor produce... ..	3,892 14 8	15,920 5 10	3,072 0 6	10,415 15 9	.....	25 1 5	.....	4,154 13 7	.....	37,511 3 9

Total, A—I ... ..	1,33,985 1 9	1,09,533 0 2	7,362 11 3	1,30,516 4 11	137 1 9	10,436 10 1	.....	4,154 13 7	.....	3,96,125 11 6
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II.—Timber and other Produce removed from the  
Forests by Consumers or Purchasers ... ..

Total, A—II ... ..	508 2 8	851 3 11	1,145 14 5	1,284 14 6	5,543 11 1	1,623 8 8	161 0 11	336 10 3	.....	11,455 2 5
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III.—Drift and Waif Wood and Confiscated  
Forest Produce ... ..

Total, A—III ... ..	1 9 2	7 8 0	12 11 4	3 3 6	45 15 4	21 7 0	.....	3 8 0	.....	95 14 4
	1 9 2	7 8 0	12 11 4	3 3 6	45 15 4	21 7 0	.....	3 8 0	.....	95 4 4

IV.—Revenue from Forests not managed by  
Government—

- a. Duty on foreign timber and other forest  
produce ... ..
- b. Revenue from shared and private forests ... ..

Total, A—IV ... ..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
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V.—Rent of leased Forests and Payments to  
Share-holders in Forests Managed by Gov-  
ernment ... ..

Total, A—V ... ..	.....	.....	.....	.....	19,520 2 10	.....	.....	.....	.....	19,520 2 10
	.....	.....	.....	.....	19,520 2 10	.....	.....	.....	.....	19,520 2 10

## VI.—Live Stock, Stores, Tools and Plant—

- a. Purchase of cattle ... ..
- b. Feed and keep of cattle ... ..
- c. Purchase of stores, tools and plant ... ..

Total, A—VI ... ..	458 6 0	1,135 2 0	1,248 2 6	545 6 0	96 8 0	138 11 0	293 3 6	8 0 0	116 5 9	4,039 12 9
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## VII.—Communications and Buildings—

- a. Roads and bridges ... ..
- b. Buildings ... ..
- c. Other works ... ..

Total, A—VII ... ..	11,612 5 3	8,766 10 8	1,690 2 3	1,873 7 11	388 13 9	216 0 11	16 11 0	.....	.....	24,564 3 9
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## II.—Travelling Allowances—

a. Conservators ... ..	1,766 7 3	.....	.....	.....	.....	150 5 2	.....	.....	.....	.....	1,916 12 5
b. Superior Officers ... ..	964 2 5	4,022 4 0	6,045 13 2	1,846 10 0	2,170 6 0	1,536 5 3	1,914 6 10	.....	1,534 12 9	.....	20,034 12 5
c. Subordinate Forest and Depot Establishments ... ..	.....	1,703 9 11	1,053 0 5	932 15 8	1,611 5 8	1,329 4 1	1,279 0 4	363 13 0	251 3 0	.....	8,524 4 1
d. Office Establishments ... ..	1,433 7 7	913 2 5	1,281 5 6	819 11 3	661 10 7	967 3 0	647 6 11	240 0 0	334 6 1	.....	7,298 5 4
Total, B—II ...	4,164 1 3	6,839 0 4	8,380 3 1	3,599 4 11	4,443 6 3	3,983 1 6	3,840 14 1	603 13 0	2,120 5 10	.....	37,774 2 3

## III.—Contingencies—

a. Stationery ... ..	7 4 8	240 6 6	267 8 11	283 14 3	295 6 4	360 9 6	159 1 6	63 12 0	91 8 6	.....	1,774 8 2
b. Carriage of tents and records ... ..	543 14 6	465 5 0	134 10 0	674 11 6	138 4 6	347 14 6	137 5 0	26 12 8	111 14 6	.....	2,580 12 2
c. Rents, rates and taxes ... ..	250 0 0	56 0 0	210 0 0	27 15 1	271 4 0	58 4 3	73 8 0	72 0 0	78 0 0	.....	1,096 15 4
d. Pay of Police guards ... ..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
e. Official Postage ... ..	298 4 0	467 12 6	556 12 0	517 14 0	502 1 0	753 15 0	379 9 0	167 5 0	191 1 0	.....	3,834 9 6
f. Sundries ... ..	334 8 6	184 1 6	232 15 9	234 6 5	317 8 1	185 10 3	150 6 3	19 6 11	86 11 3	.....	1,745 10 11
Payments to Officers of other Provinces ... ..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total, B—III ...	1,433 15 8	1,413 9 6	1,401 14 8	1,738 13 3	1,524 7 11	1,706 5 6	899 13 9	354 4 7	559 3 3	.....	11,032 8 1
Total, B.—ESTABLISHMENTS ...	32,767 0 3	44,571 2 11	57,642 0 6	28,437 6 11	40,983 3 3	44,809 13 8	35,607 5 6	4,036 15 5	18,242 14 1	.....	3,07,098 3 6
GRAND TOTAL OF EXPENDITURE ...	33,254 11 11	2,05,347 7 2	2,03,639 10 3	47,975 6 8	1,80,100 15 3	76,937 14 0	57,259 14 0	4,600 42 9	27,709 9 3	.....	8,36,826 5 8
										+39,730 12 7	+39,730 12 7

No.  $\frac{F.}{15984}$ 

Forwarded to the Deputy Conservator of Forests, Southern Circle, under Section 267 of the Forest Code.

Accountant General's Office,  
Bombay, 2nd September 1897. }

E. LAWRENCE,  
Accountant General.

## FORM No. 62.

FOREST DEPARTMENT, BOMBAY, SOUTHERN CIRCLE.

Annual Account Current for the Forest year 1896-97.

	Rs.	a.	p.	Rs.	a.	p.		Rs.	a.	p.	Rs.	a.	p.
To Opening Balance ... ..	.....			238	5	5	By 1. Refunds and Drawbacks—Refunds—						
„ VIII. Assessed Taxes—Income Tax—							Divided Heads, Forest ... ..	.....			2,412	14	6
Deductions by Government from Salaries and							„ 11. Forest (as per Annual Summary Form No. 61) ... ..	.....			8,36,826	5	8
Pensions ... ..	3,211	14	7				„ 14. Interest on other Obligations—						
Tax on other sources of Income, Recoveries by							Savings Banks Deposit—				25	13	4
Revenue authorities/ ... ..	391	6	7	3,603	5	2	Interest on Forest Officers' Provident Fund ... ..	.....					
„ IX. Forest (as per Annual Summary Form No. 61) ... ..	.....			14,40,797	12	8	„ 32. Miscellaneous—Miscellaneous Refunds—				325	0	11
„ XII. Interest—							Lapsed Deposits ... ..	.....			77,196	5	6
Interest on arrears of Revenue... ..	.....			60	6	4	„ Revenue Deposits (Forests) ... ..	.....					
„ XXV. Miscellaneous—							„ Advances Recoverable—						
Sale-proceeds of Stores and Materials (Provincial) ... ..	8	15	9				Forest Advances ... ..	5,09,551	7	2			
Unclaimed Deposits—Other Deposits ... ..	658	0	0	666	15	9	Tentage Advances ... ..	.....					
„ Bombay Uncovenanted Service F. P. Fund—							Objection Book Advances ... ..	12,704	4	7	5,22,255	11	9
Widows' Branch ... ..	490	2	6				„ Cash Recoveries ... ..	.....			8,718	13	11
Life Assurance Branch ... ..	45	5	8	535	8	2	„ Cheques and Bills (Forest Cheques cancelled) ... ..	.....			11,075	7	0
„ Revenue Deposits (Forest) ... ..	.....			60,475	15	11	„ Forest Remittances—						
„ Advances Recoverable—							Remittances to Treasuries ... ..	10,52,369	11	10			
Forest Advances ... ..	5,08,247	6	2				Inter-departmental Transfers ... ..	15,303	11	9	10,67,673	7	7
Tentage Advances ... ..	.....						„ Accounts Current—						
Objection Book Advances ... ..	7,652	8	4	5,15,899	14	6	Account between Bombay and Military, Bombay—				24,924	13	11
„ Cash Recoveries ... ..	.....			8,218	13	11	IV. Items adjustable by Military ... ..	.....					
„ Cheques and Bills (Departmental Cheques), Forest	.....			9,17,433	10	1	Account between Bombay and Public Works Department						
„ Forest Remittances—							Bombay—						
Remittances to Treasuries ... ..	1,539	9	1				(Ordinary Branches)—						
Inter-departmental Transfers ... ..	16,729	14	6	18,269	7	7	IV. Items adjustable by Public Works Department—				2,066	9	4
„ Accounts Current—							Inter-departmental Transfers ... ..	.....					
Account between India and Bombay—							Miscellaneous ... ..	.....					
III. Items adjustable by India—							„ Account between Bombay and Public Works Department—				4,16,243	0	11
Account between Bombay and Public Works Department, Bom-							(Railway Branch) Southern Maratha Railway—						
bay—							IV. Items adjustable by Public Works Department ... ..	.....					
IV. Items adjustable by Public Works Department—											315	4	5
Payments into Treasuries by Civil Officers on account													
of Public Works Department ... ..	.....			765	8	7							
Miscellaneous ... ..	.....												
To Forest Officers' Provident Fund ... ..	.....			2,594	0	8							
Total ... ..	.....			29,69,559	12	9	Closing Balance .. ..	.....					
							Total ... ..	.....			29,69,559	12	9

No.  $\frac{F.}{15459}$ .

Forwarded to the Deputy Conservator of Forests, Southern Circle, under Sections 265, 267 and 268 of the Forest Department Code.

Accountant General's Office :  
Bombay, 2nd September 1897.

E. LAWRENCE,  
Accountant General.

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FORM No 63.

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## Western Division, Kánara.

III.—Drift and Waif wood and Confiscated Forest Produce		.....	240 2 6	240 2 6	240 2 6	.....
V. a.	Fines and forfeitures	.....	208 0 0	208 0 0	208 0 0	.....
„ c.	Other sources	.....	412 5 3	412 5 3	412 5 3	.....
Total, Southern Division, Kánara		*38,158 8 7	1,52,682 12 3	1,90,841 4 10	1,78,418 13 1	12,422 7 9
I.—Timber and other Produce removed from the Forests by Government Agency—						
a.	Timber	17 0 0	8,426 14 1	8,443 14 1	7,792 0 6	651 13 7
b.	Firewood and charcoal	2,481 8 4	2,973 6 5	5,454 14 9	2,371 0 0	3,083 14 9
c.	Bamboos	.....	.....	.....	.....	.....
d.	Sandalwood	.....	4,482 12 10	4,482 12 10	4,482 12 10	.....
e.	Grass and other minor produce	.....	2,101 2 9	2,101 2 9	2,101 2 9	.....
II.—Timber and other Produce removed from the Forests by Consumers or Purchasers—						
a.	Timber	901 7 10	38,569 9 10	39,471 1 8	35,657 4 4	3,813 13 4
b.	Firewood and charcoal	10,964 1 8	47,653 13 3	58,617 14 11	12,959 11 2	45,658 3 9
c.	Bamboos	.....	1,495 10 0	1,495 10 0	1,341 1 0	154 9 0
d.	Grazing and fodder grass	.....	5,595 5 3	5,595 5 3	5,595 5 3	.....
e.	Other minor produce	532 15 0	9,131 13 2	9,664 12 2	9,100 13 2	563 15 0
III.—Drift and Waif wood and Confiscated Forest Produce		.....	629 12 9	629 12 9	554 11 9	75 1 0
V. a.	Fines and forfeitures	.....	4 0 0	4 0 0	4 0 0	.....
„ c.	Other sources	.....	1,063 5 1	1,063 5 1	1,063 5 1	.....
Total, Western Division, Kánara		*14,897 0 10	1,22,127 9 5	1,87,024 10 3	83,023 3 10	54,001 6 5
I.—Timber and other Produce removed from the Forests by Government Agency—						
a.	Timber	2,662 0 0	1,13,991 6 2	1,16,653 6 2	1,15,073 9 2	1,579 13 0
b.	Firewood and charcoal	66,330 0 0	1,52,181 2 7	2,18,511 2 7	2,18,485 4 7	25 14 0
c.	Bamboos	.....	22 4 0	22 4 0	22 4 0	.....
d.	Sandalwood	187 0 0	1,819 0 0	2,006 0 0	2,006 0 0	.....
e.	Grass and other minor produce	.....	37,235 14 6	37,235 14 6	37,235 14 6	.....
II.—Timber and other Produce removed from the Forests by Consumers or Purchasers—						
a.	Timber	.....	2,863 5 9	2,863 5 9	2,863 5 9	.....
b.	Firewood and charcoal	.....	4,675 6 3	4,675 6 3	4,675 6 3	.....
c.	Bamboos	.....	7,763 15 8	7,763 15 8	7,763 15 8	.....
d.	Grazing and fodder grass	.....	20,683 5 6	20,683 5 6	20,683 5 6	.....
e.	Other minor produce	.....	3,068 3 10	3,068 3 10	3,068 3 10	.....
III.—Drift and Waif wood and Confiscated Forest Produce		.....	169 7 9	169 7 9	169 7 9	.....
V. a.	Fines and forfeitures	.....	.....	.....	.....	.....
„ c.	Other sources	2,980 5 9	11,955 14 0	14,936 3 9	11,846 12 9	3,089 7 0
Total, Belgaum Division		72,159 5 9	3,56,429 6 0	4,28,588 11 9	4,23,893 9 9	4,695 2 0

## Belgaum Division.

Division.	Particulars.	Outstandings at commencement of year.	Value of Sales and other Revenue during year.	Total.	Amount realized during year.	Balance due to the Department at end of year.	REMARKS.
		Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	
Dhárwár Division.	I.—Timber and other Produce removed from the Forests by Government Agency—						
	a. Timber ...	19,882 14 0	56,274 1 0	76,156 15 0	64,428 13 7	11,728 1 5	
	b. Firewood and charcoal ...	.....	14,958 11 0	14,958 11 0	14,954 15 0	3 12 0	
	c. Bamboos ...	.....	.....	.....	.....	.....	
	d. Sandalwood...	.....	7,441 9 1	7,441 9 1	7,276 9 1	165 0 0	
	e. Grass and other minor produce ...	.....	77 0 0	77 0 0	77 0 0	.....	
	II.—Timber and other Produce removed from the Forests by Consumers or Purchasers—						
	a. Timber ...	.....	1,711 10 0	1,711 10 0	1,711 10 0	.....	
	b. Firewood and charcoal ...	.....	918 15 1	918 15 1	918 15 1	.....	
	c. Bamboos ...	.....	6,404 8 0	6,404 8 0	6,404 8 0	.....	
	d. Grazing and fodder grass ...	.....	26,247 3 6	26,247 3 6	26,247 3 6	.....	
	e. Other minor produce ...	.....	2,169 2 11	2,169 2 11	2,169 2 11	.....	
	III.—Drift and Waif wood and Confiscated Forest Produce ...	.....	324 3 1	324 3 1	324 3 1	.....	
	V. a. Fines and forfeitures ...	.....	.....	.....	.....	.....	
	„ c. Other sources ...	.....	308 15 7	308 15 7	308 15 7	.....	
	Total, Dhárwár Division ...	19,882 14 0	1,16,835 15 3	1,36,718 13 3	1,24,821 15 10	11,896 13 5	
Bijápur Division.	I.—Timber and other Produce removed from the Forests by Government Agency—						
	a. Timber ...	.....	.....	.....	.....	.....	
	b. Firewood and charcoal ...	.....	.....	.....	.....	.....	
	c. Bamboos ...	.....	.....	.....	.....	.....	
	d. Sandalwood...	.....	.....	.....	.....	.....	
	e. Grass and other minor produce ...	.....	3,814 12 1	3,814 12 1	3,814 12 1	.....	
	II.—Timber and other Produce removed from the Forests by Consumers or Purchasers—						
	a. Timber ...	.....	939 3 0	939 3 0	939 3 0	.....	
	b. Firewood and charcoal ...	.....	3,995 6 3	3,995 6 3	3,995 6 3	.....	
	c. Bamboos ...	.....	123 0 0	123 0 0	123 0 0	.....	
	d. Grazing and fodder grass ...	.....	5,134 15 5	5,134 15 5	5,133 15 5	1 0 0	
	e. Other minor produce ...	.....	2,629 0 10	2,629 0 10	2,629 0 10	.....	
	III.—Drift and Waif wood and Confiscated Forest Produce ...	.....	30 9 10	30 9 10	30 9 10	.....	

Kolába Division.	V. a. Fines and forfeitures ... ..	.....	.....	.....	.....	.....
	„ c. Other sources... ..	.....	122 15 9	122 15 9	122 15 9	.....
	Total, Bijápur Division ... ..	.....	16,789 15 2	16,789 15 2	16,788 15 2	1 0 0
	I.—Timber and other Produce removed from the Forests by Government Agency—					
	a. Timber ... ..	.....	233 12 6	233 12 6	233 12 6	.....
	b. Firewood and charcoal ... ..	.....	33 2 9	33 2 9	33 2 9	.....
	c. Bamboos ... ..	.....	.....	.....	.....	.....
	d. Sandalwood ... ..	.....	.....	.....	.....	.....
	e. Grass and other minor produce ... ..	.....	.....	.....	.....	.....
	II.—Timber and other Produce removed from the Forests by Consumers or Purchasers—					
	a. Timber ... ..	6,673 0 0	1,08,601 10 2	1,15,274 10 2	1,06,539 4 5	8,735 5 9
	b. Firewood and charcoal ... ..	.....	3,019 7 6	3,019 7 6	2,897 7 6	122 0 0
	c. Bamboos ... ..	.....	.....	.....	.....	.....
	d. Grazing and fodder grass ... ..	.....	5,748 3 6	5,748 3 6	5,748 3 6	.....
	e. Other minor produce ... ..	.....	1,513 2 3	1,513 2 3	1,513 2 3	.....
	III.—Drift and Waif wood and Confiscated Forest Produce ... ..	.....	743 12 4	743 12 4	743 12 4	.....
	V. a. Fines and forfeitures ... ..	200 0 0	540 13 6	740 13 6	740 13 6	.....
	„ c. Other sources ... ..	.....	2,117 14 11	2,117 14 11	2,117 14 11	.....
	Total, Kolába Division ... ..	6,873 0 0	1,22,551 15 5	1,29,424 15 5	1,20,567 9 8	8,857 5 9
	I.—Timber and other Produce removed from the Forests by Government Agency—					
Ratnágiri Division.	a. Timber ... ..	.....	.....	.....	.....	.....
	b. Firewood and charcoal ... ..	.....	.....	.....	.....	.....
	c. Bamboos ... ..	.....	.....	.....	.....	.....
	d. Sandalwood ... ..	.....	.....	.....	.....	.....
	e. Grass and other minor produce ... ..	.....	.....	.....	.....	.....
	II.—Timber and other Produce removed from the Forests by Consumers or Purchasers—					
	a. Timber ... ..	.....	1,420 2 3	1,420 2 3	1,420 2 3	.....
	b. Firewood ... ..	.....	862 4 10	862 4 10	862 4 10	.....
	c. Bamboos ... ..	.....	.....	.....	.....	.....
	d. Grazing and fodder grass ... ..	.....	112 10 0	112 10 0	112 10 0	.....
	e. Other minor produce ... ..	.....	4 3 10	4 3 10	4 3 10	.....
	III.—Drift and Waif wood and Confiscated Forest Produce ... ..	.....	2 12 9	2 12 9	2 12 9	.....
	V. a. Fines and forfeitures ... ..	.....	.....	.....	.....	.....
	„ c. Other sources ... ..	.....	53 11 2	53 11 2	53 11 2	.....
	Total, Ratnágiri Division ... ..	.....	2,455 12 10	2,455 12 10	2,455 12 10	.....

## ANNUAL FORM No. 63—continued.

Division.	Particulars.	Outstandings at commencement of year.	Value of Sales and other Revenue during year.	Total.	Amount realized during year.	Balance due to the Department at end of year.	REMARKS.
		Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	
Total of the Circle.	I.—Timber and other Produce removed from the Forests by Government Agency—						
	a. Timber ...	1,72,406 1 11	6,25,477 15 4	7,97,884 1 3	6,98,596 10 2	99,287 7 1	
	b. Firewood and charcoal ...	85,197 7 4	1,71,622 2 10	2,56,819 10 2	2,52,746 12 11	4,072 13 3	
	c. Bamboos ...	.....	22 4 0	22 4 0	22 4 0	.....	
	d. Sandalwood ...	187 0 0	13,735 3 11	13,922 3 11	13,753 15 11	168 4 0	
	e. Grass and other minor produce ...	.....	76,880 2 7	76,880 2 7	76,880 2 7	.....	
	II.—Timber and other Produce removed from the Forests by Consumers or Purchasers—						
	a. Timber ...	9,797 6 10	1,76,324 15 6	1,86,122 6 4	1,71,966 6 8	14,155 15 8	
	b. Firewood and charcoal ...	11,615 13 8	87,082 1 0	98,697 14 8	52,216 10 11	46,481 3 9	
	c. Bamboos ...	0 8 0	52,885 0 1	52,885 8 1	52,724 15 1	160 9 0	
	d. Grazing and fodder grass ...	.....	79,067 10 8	79,067 10 8	79,066 10 8	1 0 0	
	e. Other minor produce ...	532 15 0	22,663 12 11	23,196 11 11	22,632 12 11	563 15 0	
	III.—Drift and Waif wood and Confiscated Forest Produce ...	.....	2,199 15 10	2,199 15 10	2,124 14 10	75 1 0	
	V. a. Fines and forfeitures ...	200 0 0	762 13 6	962 13 6	962 13 6	.....	
	,, c. Other sources ...	2,980 5 9	16,348 0 4	19,328 6 1	16,238 15 1	3,089 7 0	
	Grand Total ...	2,82,917 10 6	13,25,072 2 6	16,07,989 13 0	14,39,934 1 3	1,68,055 11 9	

Note.—The revenue under the Budget heads "IIh, IV and Vb" is Rs. 94-11-3, 65-9-1 and 317-3-2, respectively. The total amount realized during the year is Rs. 14,40,797-12-8.

Belgaum, 11th October 1897.

W. G. BETHAM,  
Deputy Conservator of Forests, Southern Circle.

## ANNUAL FORM No. 64.

FOREST DEPARTMENT, BOMBAY—SOUTHERN CIRCLE.

*Outstandings and Liabilities on account of Contractors and Disbursers for the Forest year July 1896 to June 1897.*

Division.	DEPARTMENT DEBTOR.			DEPARTMENT CREDITOR.			BALANCE DUE.		REMARKS.
	At commence- ment of year.	Recoveries in cash and value of supplies and work done during the year.	At close of year.	At commencement of year.	Payments made during year.	At close of year.	To Department (Outstandings).	By Depart- ment (Liabilities).	
1	2	3	4	5	6	7	8	9	10
<i>Contractors.</i>	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	
Kánara, Northern Division	.....	60,941 8 5	60,941 8 5	30,400 0 0	63,250 0 0	93,650 0 0	32,708 7 7	...	
" Western "	.....	300 0 0	300 0 0	300 0 0	8,000 0 0	8,300 0 0	8,000 0 0	...	
" Southern "	.....	27,044 0 5	27,044 0 5	9,831 1 0	23,858 0 11	33,689 1 11	6,645 1 6	...	
Belgaum ... ..	.....	74,241 8 7	74,241 8 7	8,252 6 8	70,510 0 8	78,742 7 4	4,520 14 9	...	
Kolába ... ..	.....	647 10 0	647 10 0	.....	647 14 0	647 14 0	0 4 0	...	
Bijápur ... ..	.....	120 8 0	120 8 0	50 0 0	70 8 0	120 8 0	.....	...	
Total, Contractors ...	.....	1,63,295 3 5	1,63,295 3 5	48,833 7 8	1,66,836 7 7	2,10,169 15 3	51,874 11 10	...	
<i>Disbursers. j</i>									
Kánara, Northern Division	.....	56,685 7 9	56,685 7 9	5,435 1 7	52,750 7 7	58,185 9 2	1,500 1 5	...	
" Western "	.....	44,895 13 11	44,895 13 11	4,970 12 9	43,303 14 10	48,274 11 7	3,378 13 8	...	
" Southern "	.....	94,305 2 3	94,305 2 3	2,852 10 1	97,495 7 5	1,00,348 1 6	6,042 15 3	...	
Belgaum ... ..	.....	49,448 11 8	49,448 11 6	2,519 2 5	48,642 1 0	51,161 3 5	1,712 7 11	...	
Kolába ... ..	.....	38,820 0 7	38,820 0 7	1,000 12 3	38,573 4 3	39,574 0 6	753 15 11	...	
Dhárwár ... ..	.....	41,877 13 2	41,877 13 2	1,072 13 10	42,575 8 1	43,648 5 11	1,770 8 9	...	
Ratnágiri ... ..	.....	3,677 13 7	3,677 13 7	80 11 6	3,742 3 10	3,822 15 4	145 1 9	...	
Bijápur ... ..	.....	15,241 4 0	15,241 4 0	92 2 5	16,132 0 7	16,244 3 0	982 15 0	...	
Total, Disbursers...	.....	3,44,952 2 9	3,44,952 2 9	18,024 2 10	3,43,214 15 7	3,61,239 2 5	16,286 15 8	...	
Grand Total ...	.....	5,08,247 6 2	5,08,247 6 2	66,857 10 6	5,09,551 7 2	5,71,409 1 8	68,161 11 6	...	

No.  $\frac{P}{15460}$ 

Forwarded to the Deputy Conservator of Forests, Southern Circle, under Section 267 of the Forest Department Code.

Accountant General's Office,  
Bombay, 2nd September 1897.

E. LAWRENCE,  
Accountant General.

## FORM No. 65.

FOREST DEPARTMENT, BOMBAY, SOUTHERN CIRCLE.

*Financial Results of the year 1896-97.*

Division.	TIMBER AND OTHER PRODUCE REMOVED FROM THE FORESTS BY GOVERNMENT AGENCY.		OTHER REVENUE.		FORMATION, PROTECTION AND IMPROVEMENT OF FORESTS.	TOTAL.		REMARKS.
	Receipts.	Charges.	Receipts.	Charges.	Charges.	Receipts.	Charges.	
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Direction ... ..	...	...	403	33,255	...	403	33,255	
Northern Division, Kánara ... ..	4,28,537	141,118	61,644	9,385	54,844	4,89,981	2,05,347	
Southern Division, Kánara ... ..	1,33,274	1,32,302	45,363	25,274	46,064	178,637	2,03,640	
Western Division, Kánara ... ..	16,747	15,310	66,291	17,332	15,333	83,038	47,975	
Belgaum Division ...	3,72,823	1,51,682	51,075	14,023	14,396	4,23,898	1,80,101	
Dhárwár do. ...	86,737	34,319	38,085	2,294	20,647	1,24,822	57,260	
Bijápur do. ...	3,823	8,719	12,998	5,293	13,697	16,821	27,709	
Kolába do. ...	360	183	1,20,346	49,704	27,051	1,20,706	76,938	
Ratnágiri do. ..	...	...	2,486	2,400	2,201	2,486	4,601	
Forest Survey Branch ...	...	...	...	...	39,731	...	39,731	
Total ...	10,42,101	4,83,633	3,98,696	1,58,960	2,33,964	14,40,797	8,76,557	

W. G. BETHAM,

Belgaum, 11th October 1897.

Deputy Conservator of Forests, Southern Circle.

No. 1089 OF 1898.

REVENUE DEPARTMENT.

*Belgaum, 24th March 1898.*

Forwarded to Government.

2. This report relates to the year ending 30th June 1897. The delay of 9 months is not accounted for.

3. The total forest area at the opening of the year under report was 5,245 square miles, 282 acres, while that at the close of it was 5,278 square miles, 405 acres, showing an increase of 33 square miles, 123 acres, which has been fully explained in paras. 3 to 8 of the Conservator's report.

4. Owing to Mr. Sheppard's employment as Personal Assistant to the Collector of Bijapur, in addition to his Forest Settlement duties, no field work was done during the year. His report on the Bhatkal Petha has already been submitted to Government. It is only the Forest villages in the Siddapur Taluka which remain to be reported on. The work to be done in the other districts of the Division is only of a fragmentary nature. The forest settlement work remaining to be done as per Appendix 47 is 1,118 square miles, whereas in the statement at para. 14 of the report, the area to be settled is set forth as 1,053 square miles. This discrepancy is explained in paragraph 16 to be due to inaccuracies in the areas of the Kánara forests originally notified under Section 34 of the Act.

5. According to statement No. 48, the boundary newly demarcated during the year measured 20 miles, costing Rs. 678. In addition 10,805 stone pillars were made at a cost of Rs. 3,210 in the Bijapur District for demarcating forest boundaries which afforded employment during the famine to 2,000 Waddars. The total length of boundaries at the end of the year under report was 15,434 miles against 5,706 miles in 1895-96. This abnormal increase is due, as surmised in para. 24 of the report for 1895-96, to erroneous figures previously supplied.

6. The cost of the forest survey operations amounted during the year to Rs. 39,684 against Rs. 47,968 in 1895-96. Only 348 square miles on the 4" scale and 15 miles on the 8" scale were completed during the year against 609 square miles in the previous year. The falling off of nearly 200 per cent. has not been explained. The work carried out during the forest year has been summarised in the following extract from the annual report of the Bombay Survey Party :—

"Advance triangulation to the extent of 194 square miles, at a cost of Rs. 4, and of 880 square miles, at a cost of about Rs. 8 for 8" and 4" detail surveys respectively, was carried out, the former in Roha in Kolába, and the latter in Kumta, Siddapur and Honavar in Kánara. Besides the above, the supplementary traversing on the 4" scale to the extent of 234 square miles, at a cost of Rs. 11, was effected in Sirsi and Ankola talukas in Kánara. In addition to this detail survey to the extent of 387.50 square miles, at a cost of Rs. 73, was completed in the above two talukas as also in Kárwár and Kumta talukas of the same district. Detail survey on 8" scale of 15 square miles, at an average cost of Rs. 110 per square mile, was also carried out in Alibag taluka of the Kolába district. The cost rates of traversing and triangulation compare favourably with those of similar work in the previous year, while the rate of detail survey is in excess of that of similar work done last year.

"The recess work of the party in respect of mapping is still not kept up to date. To prevent accumulation of arrears, the Superintendent proposes in future to divide the year equally between the field and recess seasons in this branch and it is hoped that the arrangement will secure the end in view."

7. Two Working-Plans parties were employed during the year. Party No. I under Mr. H. Mitra, Extra Assistant Conservator of Forests, was engaged in organizing teak coppice in Dhárwár and Party No. II under Mr. Sataráwála worked in the Yellapur Taluka. The outturn in both the cases was satisfactory. The average cost per acre of the work done by Party No. I came to 11.7 pies

and that of the work done by Party No. II to 9 annas 7 pies. The figures given in column 7 of form 50 regarding the total area seem to be incorrect.

The Working-Plans parties were organized in the Southern Division in the year 1889. Four\* plans have up to date been prepared and approved of by Government.

8. The expenditure on roads and buildings rose during the year under report from Rs. 8,915 to Rs. 24,564. Out of this Rs. 18,210 were spent on original works; most of this expenditure was incurred in the Northern and Southern Divisions of Kánara. No amount was spent in the Bijápur Division.

9. The depôt system sanctioned by Government for the issue of soppu to the garden cultivators has not proved successful. Eight depôts were opened in the Sirsi and four in the Yellápur forests, but they had all to be closed for want of demand. It is reported that one of the depôt huts in Sirsi was burnt by incendiaries. The experiment has cost Rs. 3,326 without any return in revenue.

10. The total number of breaches of the forest law reported during the year was 1,847 against 2,151 in 1895-96. The details are given in the subjoined statement:—

Nature of offence.	Dealt with by Magistrates.	Dealt with under Section 67.	Not detected.
Injury to forest by fire ... ..	8	9	544
Unauthorised felling ... ..	304	424	444
Grazing without permission ... ..	15	7	.....
Other offences ... ..	63	23	6
Total ... ..	390	463	994

The results of the prosecutions in respect of the 390 offences taken into Court during the year and the 95 cases pending at the end of the last year are exhibited in the subjoined table:—

District.	1895-96.			1896-97.			Percentage of Failures.	
	Prosecutions.	Convictions.	Acquittals.	Prosecutions.	Convictions.	Acquittals.	1895-96.	1896-97.
Belgaum ... ..	14	7	3	28	18	5	30	21·7
Bijápur ... ..	23	18	5	23	18	2	21·7	10
Dhárwár ... ..	20	13	3	12	7	4	18·7	36·3
Kánara ... ..	144	83	46	123	82	31	35·6	27·4
Kolába ... ..	390	272	46	291	110	57	14·4	34·1
Ratnágiri ... ..	8	7	1	8	7	1	12·5	12·5

170 fewer prosecutions were instituted during the year than in 1895-96. The number in the Belgaum district has doubled owing, it is stated, to the prevalence of scarcity.—In the Bijápur and Ratnágiri districts the figures are stationary; while those of Kánara show a slight decline. In Kolába the decrease amounted to 156 cases, which chiefly accounts for the divisional decrease of 170. As regards percentage of failures the Northern Division of Kánara, Dhárwár and Kolába are the only forest divisions where there has been an increase. The percentage of failures in the Northern Division of Kánara, which comes to 44·4

\* 1. Supa Circle, including Haliyál and Supa forests.

2. Gund Circle, being a part of Supa.

3. Central Kolába comprising Panvel, Pen, Nágothna and Alibág.

4. Southern Kolába comprising Mahád Mángaon and Roha.



against 16·6, would appear to be immaterial when the figures on which it has been calculated, and which are shown in the margin, are taken into consideration. The same remark holds good for Dhárwár. As regards Kolába, the number of cases for disposal has declined from 390 to 291; but the percentage of failure has more than doubled, the actual figures being 34·1 per cent. in 1896-97 as compared with 14·4 per cent. in 1895-96.

11. The following table shows the details of cases compounded by the Divisional Forest Officer under Section 67 of the Forest Act:—

District.	1895-96.				1896-97.			
	Total number of cases disposed of.	Number of cases commuted.	Number of cases discharged.	Amount of compensation recovered.	Total number of cases disposed of.	Number of cases commuted.	Number of cases discharged.	Amount of compensation recovered.
Belgaum	110	110	...	79	167	167	...	216
Bijápur	4	4	...	5	33	33	...	55
Dhárwár	13	13	...	22	14	14	...	17
Kánara	151	151	...	945	117	117	...	486
Kolába...	76	76	...	345	116	116	...	275
Ratnágiri	6	6	...	10	16	16	...	13
Total	360	360	...	1,406	463	463	...	1,062

Of the 463 offences 377 related to misappropriation of timber and firewood and 47 to that of minor forest produce. The net increase of 103 in the total number of cases dealt with is made up of the increases in all the districts except Kánara, which shows a decrease of 34. The amount of compensation recovered, however, does not show a corresponding increase in the case of Dhárwár and Kolába. The total number of cases let off with simple warning during the year was 335 against 234 in 1895-96. The Commissioner concurs with the Conservator of Forests in his remarks as regards Bijápur where, in view of the prevailing distress, due leniency was shown by the Divisional Forest Officer. The highest amount of fine recovered in a single case during the year was Rs. 79, which occurred in the Western Division of Kánara. In only 13 cases was the fine in excess of Rs. 10, and in no less than 250 cases it was only one rupee.

12. While the proportion of area under fire protection was less, the percentage of failures was much larger than in 1895-96. This is attributed to the fact that the season being an abnormally dry one there was greater risk from fire. The result is also partly attributed to more accurate registration of burnt area. The total number of fires was 561 against 731 in the preceding year. Belgaum and Kolába have again contributed the largest number, viz., 128 and 130, respectively. Taking the Division as a whole in only 22 out of 561 cases were the offenders detected. In one case conviction was obtained, in two the offenders were acquitted, two were let off with warning, nine were compounded, and eight were pending trial. From the table at para. 85 it would appear that 50 per cent. of the number of fires remained undetected. Twenty-five per cent. were due to carelessness on the part of villagers and travellers.

13. The area closed to all animals against grazing was 659 square miles against 595 in 1895-96, to browsers 1,266 against 902, and the area open to all animals was 3,321 against 3,763.

The number of cattle impounded rose from 14,511 to 16,174. This increase is more than covered by that which occurred in the Belgaum district, where the impoundings during the year numbered 8,272 against 5,166 in the preceding year. It is explained that the orders regarding the throwing of the forests open for grazing to outside cattle from the famine-affected areas were not received by the Divisional Forest Officer until late in November 1896. They were issued by Government in their Resolution No: 8939, dated the 11th November 1896. The decrease occurs in the Bijápur, Dhárwár and Kolába districts, and is due to the general relaxation of the grazing rules on account of famine and partly also, especially as regards Bijápur, to death or removal of a large number of cattle on account of the scarcity of fodder.

14. Natural reproduction is reported to have been successful during the year in the Kánara and Belgaum districts. In Bijápur and Dhárwár the season was unfavourable. In Kolába fires and trespass by cattle appear to have interfered with the operations. In Ratnágiri reproduction is stated to be far from satisfactory. The results of artificial regeneration are reported to be not very hopeful. During the year a large quantity of grass (2,213,501 lbs.) was collected by the Department, pressed into bales, and despatched to the famine-stricken districts...

Improvement of Forest growth, paras. 102 to 141.

15. The following table extracted from Form 57 shows the out-turn of major forest produce for the year as compared with 1895-96 :—

Produce.	Out-turn.		+	
	1895-96.	1896-97.		
Timber—	Cubic feet.	Cubic feet.		
Rough logs ... ..	391,800	259,165	...	132,635
Do. poles ... ..	672,208	644,719	...	27,489
Sawn or square... ..	477,278	524,094	46,816	...
Miscellaneous ... ..	78,535	97,261	18,726	...
Fuel ... ..	7,665,489	7,393,584	...	2,71,905
	Khandis.	Khandis.	Khandis.	
Sandal-wood—	115 5 7	142 7 24	27 2 17	...
	Cubic feet.	Cubic feet.		
Do. ... ..	326	280	...	46
	Number.	Number.		
Do. trees, poles and stumps ...	13,323*	3,557	...	9,766
Do. stacks ... ..	.....	37†	...	...
Bamboos ... ..	46,52,496	3,441,298	...	1,211,198
	Cart-loads.	Cart-loads.		
Dry bamboos ... ..	516	68	...	448

\* Branch wood, 14 cart-loads.

† Loppings, one cart-load.

It appears from Form 57 A that the out-turn, during the year, of timber was 107,114 cubic feet, and of fuel 2,766,855 cubic feet less than in 1895-96. Also 1,200,274 bamboos less were extracted in 1895-96.

16. The receipts and expenditure of the past and the present year are given in the subjoined table :—

Year.		Receipts.	Expenditure.	Surplus Revenue.
		Rs.	Rs.	Rs.
1895-96	...	14,98,084	8,54,353	6,43,731
1896-97	...	14,40,798	8,76,557	5,64,241
		—57,286	+ 22,204	—79,490

From a financial point of view the year was not a good one, famine and plague having diminished the demand for wood. The net decrease in receipts amounted to Rs. 57,286, but when it is borne in mind that the two large items of receipts belonging to the year 1895-96, and noted in the margin, are included in the total, it will be seen that the year's working shows a much larger decrease in the surplus revenue.

Rs. 60,000 on account of wood which remained unsold at the Kodibág Depôt.

Rs. 66,380 outstanding on account of fuel supplied to the Southern Marátha Railway Company.

17. The saw mill machinery established at Ittanbail, about five miles from Yellápur, is reported to be working satisfactorily. The conduct of the subordinate establishment was not as good as in the previous year. thirty-seven guards were dismissed during the year against seventeen in 1895-96. The health of the establishment was very bad. One Ranger, one Forester, one clerk, and twenty-one guards having died either of cholera or of fever. The officers mentioned for special notice are all new with the exception of Mr. Ugrankar. The sudden and sad death of the Conservator, Mr. Macgregor, referred to in para. 217, has already been noticed with regret by Government in their Resolution No. 5619, dated 27th July 1897, reviewing the report of the Forest Administration for 1895-96.

Chapter V.—Forest Administration.

C. B. WINCHESTER,  
Acting Commissioner, S. D.

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**SIND CIRCLE.**

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